

Atlanta Attachment Company Automotive Division





Innovative Technology for the Sewn Products Industry Worldwide







Atlanta Attachment Company **Automotive Division**



Innovative Technology for the Sewn Products Industry Worldwide

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Chairman | President



We owe our success and the growth of Atlanta Attachment Company to you, our customers, our many friends in the supply industry, and our valued and loyal employees.

With this thought in mind, we rededicate ourselves to continuing the development and manufacture of the highest quality automated

workstations, folders, attachments and labor saving devices available to the sewn products industry.

We are committed to maintaining and improving our policy of **Sudden Service**TM, so our customers may also prosper in this competitive global market. Our Policy of shipping all recommended spare parts within 72 hours, or they are free reinforces this commitment.

Elvin Price

Chairman

In the past few years, we have seen tremendous growth in the sewn products industry. We owe this growth to you, our customers, and we appreciate the trust and support you have placed in our company. You have asked for a choice, and we worked hard to bring you the competitive advantage you deserve. We will continue our



aggressive approach to develop new ideas and market opportunities, thus enabling you, our customer, to maintain a competitive advantage in today's global market.

Our dedicated sales team remains committed to serving your needs, both now and in the future. Please feel free to contact either me or anyone on our staff with any questions you may have concerning Atlanta Attachment Company or its products.

Hank Little

President

Statement of Corporate Vision

- We will be primarily a manufacturer and provider of products and services to our customers which are of high quality and provide overall value for their investment.
- We will be noted for the delivery of these products and services on a timely basis.
- We will make use of advanced technology where practical and economical.
- The highest standards for material selection appropriate to the product / service will be maintained.
- We will strive to provide a work environment of integrity, respect and dignity for employees and all who come in contact with our business.
- Employees will be recruited and maintained who are creative, technically competent and productivity oriented.
- Management systems and processes will be developed and maintained which emphasize team work, a high level of quality assurance and flexibility.
- We will be a profitable company and distribute this wealth in fair and equitable ways after sufficient reinvestment for necessary long-term company growth.
- We will be responsible to the environment and to the communities within which we do business.
- We will diversify into various markets and product lines in order to leverage our expertise, balance our work demands, provide new opportunities for growth and hedge against downturns in any one industry.



As the leading supplier of automated sewing workstations, Atlanta Attachment Company pledges unequaled service and support to our valued customers. We pledge to maintain inventories of the recommended spare parts for our automated workstations* and to ship those replacement parts within 72 hours. If the expendable replacement parts are not

shipped within 72 hours they will be

Free of Charge

^{*} Contact sales for the recommended spare parts list and the model workstations covered.

Sales | Service

We have a very dedicated Sales and Customer Support team with many years of experience in the sewn products industry. We are dedicated to you, the customer, and will remain committed to serving your needs both now and in the future. Please feel free to contact our staff with any questions you may have.



Sales *Ventas*



Bob Paust VP Sales Automatic Systems Area Manager, West U.S. VP Ventas Sistemas Automáticos Gerente de Area, West U.S.



John Price VP Folder Division VP División de Dobladilladores



Randy Clark

VP Sales, Mid-West U.S.

Area Sales Manager

VP Ventas Gerente de Área

Mid-West U.S.



Eugenio Fonts International Sales Ventas Internacionales



Darrell Miller
Area Sales Manager
East Coast U.S.
Gerente de Área
East Coast U.S.



Sandra Morrison
Executive Asst. to Pres.
Inside Sales
Asistente Ejecutiva del Presidente
Ventas Nacionales



Pat Feagan Inside Sales Machine & Parts Ventas Nacionales Partes & Estaciones de trabajo Automáticas



Edmundo Campbell International Sales (Inside) Ventas Internacionales (Oficina)



Eric Iverson
Part Sales Specialist



Brandon Briggs
Part Sales Specialist



Michael Sewing Sales Ventas

Customer Support Soporte al Cliente



William Richey
VP Customer Service
VP de Servicio al Cliente



Jurgen Van Osch Assistant Service Manager Asistente de Gerente de Servicio



Frank Campos Service Technician Técnico de Servicio



Jeff Moore Service Techniciar *Técnico de Servicio*



Brett Button Service Technician Técnico de Servicio



John Eggerding Service Technician Técnico de Servicio



Jim Lowen
Service Technician
Corporate Pilot
Piloto Corporativo



Jose Ortiz Service Technician Técnico de Servicio



Dennis Givens Service Technician Técnico de Servicio



Joe Driggers Service Technician Técnico de Servicio

Symbol Index



301 Lockstitch



Maximum sewing speed



Underbed thread trimmer



Vertical hook large



504 Three thread overlock



Maximum sitch length



Seam backtacking, automatic



Vertical hook extra large



Flat bed



Needle system



Bottom feed, needle feed and alternating feed



Horizontal hook large and extra large



Post bed



Needle bar stroke



Footlift height



Vertical hook large



Cylinder arm



Thread size



Stepping height



Vertical hook extra large



Extended head



Sewing field dimensions



Automatic presser footlift



Wheel diameter



Box type



Serial bus



Wattage



Titanium wheel



Knife



Steel wheel



Bottom wheel width

Location & Directions





Traveling North on I-85 or from Hartsfield-Jackson Airport

Take I-85 North; go approximately 40 miles and turn right on Exit 106, Hwy. 316. Go to second traffic light on 316 and turn right on Hwy. 20. Go to 2nd traffic light and turn left on Industrial Park Drive. Go approximately 3/4 mile and pass the railroad crossing. AAC is the first building on the right. Shipping & receiving use 1st entrance by railroad crossing. Visitors & employees use main entrance by water tower.

Traveling South on I-85

Take Exit 115, Hwy. 20 South. Pass through intersection at Hwy. 316. Go to 2nd traffic light and turn left on Industrial Park Drive. Go approximately 3/4 mile and pass the railroad crossing. AAC is the first building on the right. Shipping & receiving 1st entrance by railroad crossing. Visitors & employees use main entrance by water tower.



Traveling South on I-75

Take I-285 East to I-85. Go North to Exit 106, Hwy. 316. Go to second traffic light on 316 and turn right on Hwy. 20. Go to 2nd traffic light and turn left on Industrial Park Drive. Go approximately 3/4 mile and pass the railroad crossing. AAC is the first building on the right. Shipping & receiving 1st entrance by railroad crossing. Visitors & employees use main entrance by water tower.

Traveling East on I-20

Take I-85 North in Atlanta. Turn right on Exit 106, Hwy. 316. Go to second traffic light on 316 and turn right on Hwy. 20. Go to 2nd traffic light and turn left on Industrial Park Drive. Go approximately 3/4 mile and pass the railroad crossing. AAC is the first building on the right. Shipping & receiving 1st entrance by railroad crossing. Visitors & employees use main entrance by water tower.

Traveling West on I-20

Take Exit 115, Hwy. 142 North. Hwy. 142 will dead end into Hwy. 81 North. Turn right on Hwy. 81 North. Go to Hwy. 78 and turn left. Go to the next traffic light on Hwy. 78 and turn right on Hwy. 20 North. Follow Hwy. 20 through Lawrenceville. Go approximately one mile and turn right at traffic light onto Industrial Park Drive. Go approximately 3/4 mile and pass the railroad crossing. AAC is the first building on the right. Shipping & receiving 1st entrance by railroad crossing. Visitors & employees use main entrance by water tower.

Atlanta Attachment Company

Address: 362 Industrial Park Drive Lawrenceville, GA 30046

phone: 770-963-7369 fax: 770-963-7641 email: sales@atlatt.com web: www.atlatt.com

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Machine Type

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Seats, Bench, 60/40, Bucket 5000/5010/5020/5030 10 5100/5110/5120/5130 1 CM0900 Series 14 1356 16 1357F 17 1357M. 18 1357F20 19 1380 PY6 20 5504-J-34 2 LU 1510N-7 & LU 1560N-7 26 MO 6916 G 27 441 29 3110/1 30 3121 31 3150/1 35 2235 36 2521 37 2545/2546 36 3745 42 300U-194A 45
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Miscellaneous Operations: Tack Sew AMS-22E-2516 & AMS-22E-3020 22 PLGE Series 34 3721 4 3108 40 SPS/C-8050H 44

Operation

Decorative Sew
5000/5010/5020/5030
5100/5110/5120/5130
PLC 1760-7-C
AMS-22E-2516 & AMS-22E-3020
AMS 210EHL Series
LU 1510N-7 & LU 1560N-7
PLC 1710-7 & PLC 1760-7
PLGE Series
2235
2545/2546
2595/2596
3108
3721
SPS/C-8050H
1410X86001
J-Clip Module
1380 PY6
1300110
Duon/Isofix Application
1357F
1357M
100111111111111111111111111111111111111
Wire Pocket
3145/1 & 3145/4
Embroidery
CM0900 Series
Special Purpose
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Efka DC 1500/AB320
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Foot Feddis40
Attachments and Folders
Attaciments and Folders
Satellite Plus
Automated Parts Management System 51
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Serial Bus Control System 52
Replacement Parts54
Special Purpose Custom Machinery

Introducing

Awarded **TEXPROCESS Innovation Award 2011**, this innovative machine design leaves the conventional way to build a sewing machine behind. Instead of a housing as a main unit that carries all mechanical parts, this so-called "frame" now simply plays a supporting role and can be easily exchanged between alternative models. All functional components are merged in "technology modules", which are fully interchangeable. The factory pre-settings guarantee an exchange of modules without further adjustments. With this innovation you are able to adapt the machine to any future configuration... in a few minutes it is possible to convert a flatbed into a long arm machine.

Through the consistent use of state of the art electronic control it became possible to make all machine settings programmable into memory and thus recallable. This allows the process parameters to be free from operators influence and identical every time the program is recalled. The innovative dynamic machine parameter, based on the actual speed and the permanent measurement of the material thickness, opens new possibilities of production quality, process security and the reduction of cycle times.

FEATURES:

- All control elements including the bobbin winder, electronic hand wheel and reverse button are placed at the head module in the user's direct field of view.
- · Tilt-assistant for easy cleaning and maintenance
- · Optimized hook lubrication with fresh oil
- · Noise-reduced machine features
- No use of compressed air
- · All settings are programmable and storable
- · User identification with USB dongle
- Permanent measurement of material thickness thereby dynamic adjustment of needle thread tension, top feed stroke, sewing speed and sewing foot pressure
- · Automatic top feed stroke adjustment at cross seams
- Stitch-n-Stitch bar tacking







✓=TR□□ | 5000/5010/5020/5030



Flatbed Sewing Machines

- All control elements including bobbin winder, electronic hand wheel and reverse button are placed at the head module in the user's direct field of view
- Integrated, electric bobbin winder (continuous winding process even when machine stops)
- Integrated and dimmable sewing light
- Extremely solid construction of housing
- Tilt-assistant for easy cleaning and maintenance
- Optimized hook lubrication with fresh oil
- Integrated motor
- Noise-reduced machine features
- No use of compressed air
- Stored production settings allow for fast and precise set-up of the machine
- User identification by USB-dongle
- Permanent measurement of material thickness thereby dynamic adjustment of needle thread tension, top feed stroke, sewing speed and sewing feet pressure
- Automatic top feed stroke adjustment at cross seams
- Stitch-in-stitch bar tacking

			(MAX)		<u>→ ←</u>	System	Ţî		<u> </u>	L	Ā	¢c d b
F0	00	1x301	4000*	•	12	134-135** 90-180	40	XL	20	9	10/3**	250/120
» 50-	10	1x301	4000*	•	12	134-135** 90-180	40	XXL	20	9	10/3**	350x130
» DOUB	LE NEED	LE:										
E0.	20	2x301	4000*	•	12	134-135** 90-180	40	XL	20	9	10/3**	250/120
» 50-	30	2x301	4000*	•	12	134-135** 90-180	40	XXL	20	9	10/3**	350x130
			rpm		mm		mm		mm			mm

Depending on process / Abhängig von der Anwendung

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The **Sudden Service**™ Co

Depending on version / Abhängig von der Version

5100/5110/5120/5130 VETRO



Longarm Sewing Machines

- All control elements including bobbin winder, electronic hand wheel and reverse button are placed at the head module in the user's direct field of view
- Integrated, electric bobbin winder (continuous winding process even when machine stops)
- Integrated and dimmable sewing light
- Extremely solid construction of housing
- Tilt-assistant for easy cleaning and maintenance
- Optimized hook lubrication with fresh oil
- Integrated motor
- Noise-reduced machine features

- No use of compressed air
- Stored production settings allow for fast and precise set-up of the machine
- User identification by USB-dongle
- Permanent measurement of material thickness thereby dynamic adjustment of needle thread tension, top feed stroke, sewing speed and sewing feet pressure
- Automatic top feed stroke adjustment at cross
- Stitch-in-stitch bar tacking

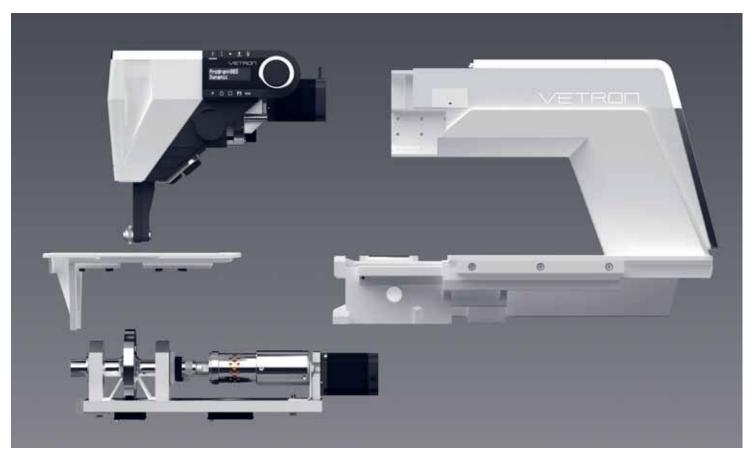
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F4	00	1x301	4000*	•	12	134-135** 90-180	40	XL	20	9	10/3**	C00v400
» 51-	10	1x301	4000*	•	12	134-135** 90-180	40	XXL	20	9	10/3**	680x130
» DOUB	LE NEED	LE:									•	•
64	20	2x301	4000*	•	12	134-135** 90-180	40	XL	20	9	10/3**	690v120
» 51-	30	2x301	4000*	•	12	134-135** 90-180	40	XXL	20	9	10/3**	680x130
			rpm		mm		mm		mm			mm

Depending on process / Abhängig von der Anwendung

Depending on version / Abhängig von der Version

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Ultrasonic Welding Machines

- High-precision titanium or hardened steel sonotrode -Made in Germany
- Additional welding modes like baste welding, spot welding or "cut & seal" selectable
- Anvil wheel from 25 to 45 mm diameter
- Anvil wheel with adaptable puller function
- Welding of tight radiuses due to an anvil diameter of 25 mm
- Modular design (joint design for welding and sewing machines, for increased flexibility)
- No use of compressed air
- Welding with continuous or dynamic speed

- Digital welding generator with 500 or 1000 Watt (optional)
- Stepping motors for: Anvil wheel, sonotrode (separately controlled), welding gap and welding pressure
- All machine parameters are programmable and storable
- Simplified & intuitive program concept
- Setup assistant
- User identification with USB dongle possible
- Free selectable access permission
- Snap-in control panel
- Network port for central administration of the machines (optional)

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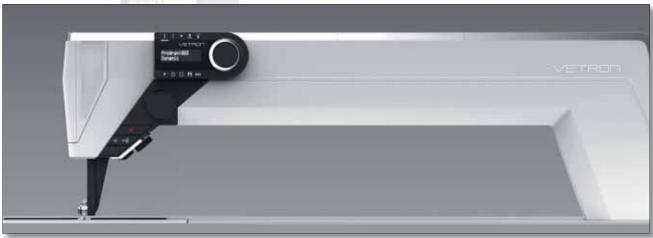


This equipment may be protected by one or more of these patents. Other patents may be pending: US patents: 4,280,421; 4,432,294; 4,466,367; 4,644,883; 5,134,947; 5,159,889; 5,203,270; 5,522,332; 5,524,563; 5,562,060; 5,634,418; 5,647,293; 5,657,711; 5,743,202; 5,865,135; 5,899,159; 5,915,319; 5,918,560; 5,973,345; 6,035,794; 6,055,257; 6,202,579; 6,279,899; 6,295,491; 6,492,255; 6,802,271; 6,574,815; 6,834,603; 6,968,794; 6,949,403; 7,100,525; 7,100,526; 7,210,181; 7,383,676; 7,383,780; 7,412,936; 7,543,364; 7,574,788; 7,647,876; 7,735,439; 7,984,881; 8,042,478
Foreign patents: 9-520,472; 0,537,323; 92,905,522.6; 96,936,922.2; 2,076,379; 2,084,055.

5064/5164 | ✓≡⊤R□□







		WATT	(MAX)	\bigcirc	Ti	<u> </u>	Fe		(MAX)	ţc
5064-	1000	500	30	25-45	•			10	9.5	
	2000	1000	30	25-45	•			10	9.5	350x130
	2300	1000	30	25-45		•	•	13	12.5	1
	1000	500	30	25-45	•			10	9.5	
5164-	2000	1000	30	25-45	•			10	9.5	680x130
	2300	1000	30	25-45		•	•	13	12.5	
	•		rpm	mm	•	•		mm	mm	mm

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Atlanta Attachment | E0900 Series



Automated Embroidery System

- Product may be personalized for each customer
- Raises price point, increasing profits as no outsourcing required
- Small quantities produced on demand
- Customer loyalty enhanced
- Multi-head design, high production, low cost
- Scan any logo and digitize in house
- AAC offers complete training and logo digitizing service

Technical Specifications:

- 9 needles, 9 colors
- Built in noise reduction technology
- Embroidery Field: 400mm x 450mm
- All steel bridge style construction
- LCD color monitor
- Solid steel rotary hook system
- Complete hoop assortment included

- Built-in disk drive and USB port
- Direct connect to computer upon request
- Built-in rotary type thread break sensors
- Automatic thread trimmers
- Automatic color changes
- Memory rentention after shut down
- Removable support table top for flat goods



PLC 1760-7-C | Atlanta Attachment

Postbed, Walking Foot, Lockstitch with **Large Hook, Automatic Underbed Thread Trimmer, Automatic Footlift, Automatic Backtack, and Automatic Lubrication**

- 2 needle modified for foam fill in place head rests, the needles are moved in line to create 2 tight stitch lines in close proximity to each other in order to eliminate the necessity of taping seams after sewing.
- Walking Foot Bottom rectangular feed movement, Top feed with alternating presser feet, and needle feed.
- Dual thread tension
- Dial adjustment of walking foot vertical movement
- Bottom feed micro-adjustment
- Dial adjustment of stitch length
- Built in bobbin winder
- DL Device for instantaneous adjustment of walking foot vertical movement to enable crossing of heavy seams
- Hook safety clutch

Optional:

- Edge guides
 - Material guides
- Folders
- Binder attachments



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PLC 1760- 7-C	1x301	2500	9	134x35 to size 160	36	L	16	9	10/3**	255
		rpm	mm		mm		mm			mm

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Atlanta Attachment | 1356



Semi-Automatic Sewing Unit for Assembling Elastic Seat Support Straps. Serial Bus Controller, 2 Lockstitch Sewing Heads

- Approximately 7 straps per minute
- 2 Flatbed needle feed lockstitch sewing heads with backtack, footlift, and underbed thread trimmer
- Elastic web feeder and cutter
- Turn-up folders to facilitate loading metal clips
- Turn-down folders fold material after hooks are loaded.
- Hand-wheel size adjustment
- Operator just loads hooks and wipes switch. (de-skills operation)
- DL Device for instantaneous adjustment of walking foot vertical movement to enable crossing of heavy seams
- Hook safety clutch

		(MAX)	<u>→</u> ←	System	Ţi	P	<u> </u>	
1356	•	5000	0-44	DBX1-14	31.8		11	•
		rpm	mm		mm		mm	



1357F | Atlanta Attachment

Semi-Automatic workstation for sewing IsoFix patches into seat backs, 2 moveable programmable pattern tacker sewing units, patented Serial **Bus controller**

- Two programmable pattern-tacker sewing units
- Sewing units arranged as mirror images
- Both heads move independently according to profile of seat back.
- Operator swipe switches for safe operation
- Dual head allows for simultaneous sewing of patches
- Tooling creates nest for patch, then clamps in place



			(MAX)	→ ←	System	Ī	
135	7F	1x301	2500	0.1-12.7	135x17 to size 140/22	10/3	•
			rpm	mm			



Atlanta Attachment | 1357M



Semi-Automatic, IsoFix button insertion unit, Patented Serial Bus controller, Button orientation, Color recognition

- Color scanners to verify seat and button color match
- Camera recognition and orientation to verify position of IsoFix button
- Automatic button feeder
- · Automatic retainer washer feeder
- Laser light positioning aid
- · Button and washer insertion

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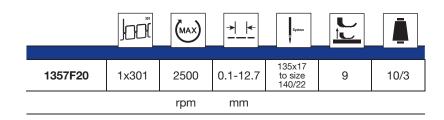


1357F20 | Atlanta Attachment

Semi-Automatic Kick Plate Sewing Workstation

- U-shaped design allows for ergonomic loading/ unloading of cassette
- Entire kick plate sewn at one time
- Consistent margins
- Elastic, j-clips or duon held in place and sewn all in one operation
- Part is loaded while previous part is being sewn







Atlanta Attachment | 1380PY6



Specially Designed Work Aid, Programmable Sequence, Direct LCD Touch Screen Programmable, Stand Alone Patented Serial Bus Controller

- Stand alone, attachable to any sewing unit with electronic motor
- Expandable number of work bins (6 standard)
- Optical bin sequence
- No start switch if part not pulled from correct bin protected by light barrier
- Matches j-clip/duon to proper seam segment

Benefits:

- Ensured quality of end product
- Reduced costs due to missing j-clips
- Maintains proper sequence of parts



5504-J-34 Atlanta Attachment

Specially Modified, 1-Needle 3-Thread Overedge (504 stitch), Variable Top-feed, **Bottom Differential Feed**

- Modified top feed mechanism to increase walking movement of top feed
- Upper and Lower needle bar bushings
- **Automatic Lubrication**
- Cartridge type oil filter and cooling fan
- Push button stitch length adjustment
- Variable top feed adjusted by lever with micro adjustment
- Bottom differential feed adjusted by lever with micro adjustment
- Thread & needle lubrication system
- High lift stepping foot (foot lifts during feed stroke)

Optional:

- Pneumatic foot lifter
- Vacuum chain cutter
- Gathering attachments



	504	(MAX)	<u>→ </u>	Ţi	
5504-J-34	1x504	6000	2.5-5	28.8	8
		rpm	mm	mm	mm

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Juki | AMS22E-2516/-3020



Sewing fields:

- AMS-22E-2516 25cm x 16cm
- AMS-22E-3020 30cm x 20cm

Computer-Controlled Cycle Machines with Input Function, Direct-Drive Servo-Motor, High Speed, Reduced Cycle Time, **Operation Panel Direct Programming**

- AC Servo-motor Direct-drive
- Built-in bed feed mechanism
- Underarm free space maximized
- Needle bar reverse mechanism for increased and maximum clearance during clamp load and unload
- IP410 touch screen operator panel (color)
- 200 program capacity (20,000 stitches per pattern)
- Compact Flash storage media
- Oil-less sewing head (hook lubricated)
- Two stage pneumatic clamp

Optional:

- Programming software PM1
- Needle thread clamp device
- Needle cooler
- Milling unit
- Thread tension controller
- Pneumatic inverted clamping device
- One touch utility clamp for quick change of patterns

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AMS	2516	1x301	2500	.01-12.7	135x17 to size 110/18	41.2	XL	20
22E	3020	1x301	2500	.01-12.7	135x17 to size 110/18	41.2	XL	20
			rpm	mm		mm		mm



AMS 210EHL Series | Juki

Computer-Controlled Cycle Machines with Input Function, Stepping-Motor Drive, High Speed, Reduced Cycle Time, **Touch Panel Direct Programming**

- AC Servo motor direct drive
- Rapid acceleration and deceleration
- Stepping motor drive (X-Y axis)
- Stepping motor controlled thread trimmer
- Active tension, needle thread control
- Programmable intermediate presser foot height
- IP-400 operation panel with programmable functions, and multiple languages
- Memory storage capacity of 200 patterns and a total of 20,000 stitches per pattern can be increased with external media (Compact Flash card) capable of storing 999 patterns and 50,000 stitches per pattern
- Color LCD display of data and functions
- Dry sewing head, Hook lubricated automatically
- Pneumatic work clamp, 2-Stage clamp standard for EHL
- Network capable via (RS-232C: Reverse type) cable connection



	Sewing Field			
Model Number	X (mm)	Y (mm)		
AMS-210EHL-1306	60	130		
AMS-210EHL-1510	150	100		
AMS-210EHL-2206	220	60		
AMS-210EHL-2210	220	100		

Optional:

- Programming software PM-1
- Pneumatic inverted clamp device
- Milling unit
- Needle cooler
- One touch utility clamp for quick change of patterns

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AMS 210EHL	1x301	2700	0.1-12.7	135x17 to size 21	41.2	XL	20
		rpm	mm		mm		mm

email: sales@atlatt.com Website: www.atlatt.com



Juki LS 1342-7



Cylinder-Bed, Walking Foot, Lockstitch with Large Hook, Automatic Underbed **Thread Trimmer, Automatic Footlift, Automatic Backtack**

- Unison Feed Bottom feed, Top feed with alternating presser feet and Needle feed
- Dial adjustment of stitch length
- Dial adjustment of walking foot vertical height movement
- Dual thread tension
- Bottom feed micro-adjustment
- DL Device Instantaneous adjustment of walking foot vertical movement to enable crossing of heavy seams
- Built-in bobbin winder
- Hook safety clutch

Optional:

- Edge guides
- Material guides
- **Folders**
- Binder attachments

	J	(MAX)	<u>→ </u>	System	Ţi	₽	<u></u>	<u>L</u>	†c
LS 1342-7	1x301	2500	6	137x17 to size 180	36	L	16	9	255
		rpm	mm		mm		mm		mm

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This equipment may be protected by one or more of these patents. Other patents may be pending: US patents: 4,280,421; 4,432,294; 4,466,367; 4,644,883; 5,134,947; 5,159,889; 5,203,270; 5,522,332; 5,524,563; 5,562,060; 5,634,418; 5,647,293;



LU1510N-7 / LU1560N-7 | Juki

1-needle, Unison-feed, Lockstitch **Machine with Vertical-axis Large Hook**

- Unison feed Bottom feed, Top feed with alternating presser feet, and Needle feed
- Dial adjustment of stitch length
- Dial adjustment of walking feet vertical height movement
- Dual thread tension
- Bottom feed micro-adjustment
- Built-in bobbin winder
- Hook safety clutch engaged with push button



Optional:

- DL Device -Instantaneous adjustment of walking foot vertical movement to enable crossing of heavy seams
- AE-10 Bobbin thread run-out detector
- Edge guide
- Material guide
- **Folders**
- Binder attachments

		(MAX)	<u>→ </u>	System	₽	<u> </u>	ÅC → D ►
1510N-7	1x301	3000	9	135 x 17 180	XL	16	255
» DOUBLE NEED	LE:						
1560N-7	2x301	2500	9	135 x 17 180	XL	16	255
		rpm	mm			mm	mm

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Juki PLC 1710-7/1760-7



Postbed, Walking Foot, Lockstitch with Large Hook, Automatic Underbed **Thread Trimmer, Automatic Footlift and Backtack**

- Walking Foot Bottom rectangular feed movement,
- Top feed with alternating presser feet, and needle feed.
- Dual thread tension
- Dial adjustment of walking foot vertical movement
- Bottom feed micro-adjustment
- Dial adjustment of stitch length
- Built-in bobbin winder
- DL Device for instantaneous adjustment of walking foot vertical movement to enable crossing of heavy seams
- Hook safety clutch

Optional:

- Edge guides
- **Folders**
- Material guides
- Binder attachments

		(MAX)	<u>→ </u>	System	Ţi	P	<u></u>	4°C → D ►
PLC 1710-7	1x301	2500	9	134x35 to size 160	36	L	16	255
» DOUBLE NEED	LE:							
PLC 1760-7	1x301	2500	9	134x35 to size 160	36	L	16	255
		rpm	mm		mm		mm	mm

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M0 6916 G Juki

Adjustable Gathering Workstation

- Gathers work piece for added fullness when going around interior contours
- Gathering turns on/off with the press of a knee switch
- All feed wear components run in constant oil bath for greater machine/component longevity
- Amount of gather is easily adjusted without tools



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Juki | G81200CZ122



1 Needle, 3 Threads, **Carpet Overedging Machine**

- Special parts for sewing around curves
- Overedging width of 15mm
- Thick carpet to 15mm

Optional:

Presser foot and cloth guide for sewing curves (EF423AL-4 only)



KMF 441

Automatic Tubular Tape Feeding Attachment

- Mounting adapts easily to all standard industrial sewing
- 4 screws in front of the machine into the tabletop
- SPS Control unit compatible with all current electronic sewing motors
- Installation with connector
- Pneumatic tape cutter
- Tape width 10-38 mm
- Tape brake is controlled electro pneumatically



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11402040412

KMF 3110/1



Automatic CNC Sewing Unit for Sewing of Retainer Strips to Car Seat Covers, **Template Controlled, Programmable, Over-Lapping Loading and Unloading**

- Automatic sew
- Programmable up to three different lengths of retainer strips
- Immediate change of programs by template recognition
- Quick and easy template change by operator
- 650mm longarm sewing head
- Backtacking or stitch condensing at beginning and end of seam
- Microprocessor control
- Driven by stepping motors
- Laser light positioning for aid in loading templates
- Lockstitch

		(MAX)	→ ←	System
3110/1	1x301	2500	9	134-35 to size 120/19
		rpm	mm	

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This equipment may be protected by one or more of these patents. Other patents may be pending: US patents: 4,280,421; 4,432,294; 4,466,367; 4,644,883; 5,134,947; 5,159,889; 5,203,270; 5,522,332; 5,524,563; 5,562,060; 5,634,418; 5,647,293;



3121 **KMF**

Double Chainstitch Sewing Workstation Sewing Pipeseams for Car Seats

- Sewing Head, Single-needle Double chainstitch, type 401
- Electropneumatic seam condensation and presser foot lifter
- SSD Skip Stitch Detection
- EFKA drive motor
- Microprocessor control with program memory
- Seam control via stepping motor with program memory



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KMF 3145/1 & 3145/4



Semi-Automatic Workstation for **Attaching Tubular Tape (wire pocket)** to Car Seats

- Programmable start and stop of tape
- 1 Needle lockstitch sewing head (301stitch)
- Cycle counter for bobbin change
- Material transported by upper and lower belts, synchronized with sewing head
- Backtacking or stitch condensing at beginning and end of seam
- Material feed by stepping motors
- Sewing head driven by electronic servo motor
- Tape fed from roll underneath machine
- Seam length programmable and variable
- Microprocessor controlled

Optional:

- Laser light positioning guide
- Thread monitor for upper thread
- Chainstitch sewing head

		(MAX)	→ ←	System	Ā
3150/1	1x301	2000	8	134-35 to size 120/19	10/3
		rpm	mm		

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3150/1 **KMF**

Cutting and Punching Unit for Retainer Strips, Comprising of Roll Feed Mechanism, Punching Unit, Cutting **Unit, Microprocessor Controlled and Fully Programmable**

- JIT production of retainer strips
- No precut and pre-punched retainers required in inventory
- Sequences of different lengths, holes, and notch locations are freely programmable
- Number of finished parts can be programmed
- Multiple widths can be cut without adjustment (70mm max)
- Finished product disposed into box for easy handling
- Stepper motor driven feeding system

Optional:

- Sewing station for welt type retainer strips (3145/4) Flatbed Chainstitch sewing head with close coupled
- Unrolling device to remove welt cord from roll
- Buffer station between unroll and sewing station
- Buffer station between sewing and cut-and-punch station
- Cutter and one punch (standard) additional punches (max 4) with different shapes (v-notch, diamond, half round, oblong)
- Chute disposal into box





Mitsubishi | PLGE Series



	Sewing Field				
Model Number	X (mm)	Y (mm)			
PLG-E1010	100	100			
PLG-E1010KX	225	100			
PLG-E2008H	200	80			
PLG-E2010R	200	100			
PLG-E2516	250	160			
PLG-E2516YU	300	200			
PLG-E4030	400	300			
PLG-E6030	600	300			
PLG-E5050	500	500			
PLG-E10050	1000	500			

Computer-Controlled Cycle Machines with Input Functions, Mitsubishi Mini-Servo X 500W Motor Drive, **Liquid Crystal Touch-Pad Display for Programming and Control Functions**

- Large liquid crystal touch-pad display
- On screen data entry and modification
- Intermittent or continuous feed system (selectable)

Optional:

- Quick change clamping system
- 110 volt
- Fixturing
- High-lift mechanism (foot-lift)
- Programmer stand for PLK-E-PAL programmer
- Stepping foot step adjuster
- Heavy thread trimming system
- PC programming software
- High voltage transformer

		(MAX)	<u>→ ←</u>	System	••••		Ţ
PLGE Series	1x301	2500	0.1-12.7	135x17 to size 140/22	L	9	10/3
		rpm	mm				

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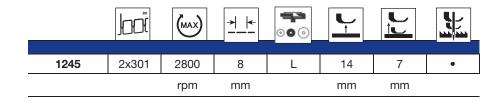
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Triple-Feed Sewing Machine with Vertical Hook

- High traction due to unison feed
- Even feed motion without any ply-shift of ndividual layers
- Large vertical rotary hook with 60% more capacity than other standard-sized hooks
- Rugged and durable

- The high top feed lift (7.0 mm) allows troublefree sewing of thick materials and an easy sewing of thick materials and an easy sewing over cross seams
- Easy loading and unloading (even bulky material) due to a high fabric clearance of 14.0 mm



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Pfaff | 2235



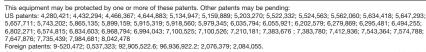
Triple-feed special high-speed sewing machine with horizontal hook

- Very good seam quality and sewing reliability on assembly and top-stitch work on medium to heavy materials
- Excellent results in top-stitching works
- Ergonomically designed and convenient placed control elements - clear and precise functions
- Bobbin winder for a secure and fast start of the bobbin winding process
- Easy access of all adjustments: Top arm cover and head cover can be removed after unscrewing a few screws
- Dial adjustment of stitch length
- 2235 Basic: A version without automatic functions
- 2235 Plus: A version with additional functions (e.g. overload saftey clutch, programmable multiswitch, 2 top feed strokes and 2 stitch lengths preselectable, etc.)

		(MAX)	<u>→ ←</u>	Ł					Ţ	,c
2235	1x301	3000	9	•	•	L	•	9	2	345x120
		rpm	mm		mm		mm	mm		mm

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2521 | **Pfaff**

Special high-speed seamer with needle feed, wheel feed and roller presser

- Exact stitch lengths, reproducible at any time
- No or highly reduced marking thanks to the material-protecting transport mode (particulary with the finest materials or laminates)
- Exceptionally precise material transport via an independent drive of roller presser and wheel feed
- Panel with multi-function buttons and programmable multi-switch for backtacking is integrated in machine head
- Integrated LED light, dimmable
- No material perforation when backtacking
- Switch over to differential feed without sewing stop
- Universal application for thread sizes 80/3 to 10/3 synth
- Second thread tension shiftable



		(MAX)	→ ←	N		P	Ţ
2521	2x301	3500	5	•	•	L	10/3
		rpm	mm	•	mm		•

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Pfaff | 2545/2546



Triple-Feed Special High-Speed Sewing Machine with Vertical Hook

- The machine achieves a very high stitch quality both for top-stitching work in the visible areas and for securing and assembly seams
- The ergonomically designed dials guarantee quick and accurate adjustments of the first and second top feed stroke (with automatic speed adaption)
- Programmable multi switch in easy reach of the operator
- Large clearance under the machine
- Bobbin winder for a secure and fast start of the winding process ("winding assistant")

- Easy access of all adjustments: Top arm cover and head cover can be removed after unscrewing a few screws.
- 2545 BASIC: A version without automatic functions
- 2545 CLASSIC: Version with one adjustable top feed stroke and one stitch length and automatic speed adaption.

Optional:

Motor driven edge cutter with a trimming margin of 1.5mm

		(MAX)		<u>→</u> ←	2	Ţţ	→			N.	♣c
2545	2x301	3800*	•	12	•	•	XL	•	9	•	345x120
» DOUBLE NEED	LE:										
2546	4x301	3800*	•	12	•	•	XL	•	9	•	345x120
		rpm		mm		mm			mm		mm

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2595/2596 | Pfaff

Postbed sewing machines with unison feed

- Machine for three-dimensional fabrics in the upholstery industry
- Less bobbin changes by the large vertical hook with 60% more thread capacity
- Bobbin winder equipped with an aid for a secure and fast start of the bobbin winding process and within easy reach of the operator ("winding assistent")
- LED light integrated in the sewing
- Unique service concept. Easy and fast access of all adjustments.
- Integrated panel with multi-function buttons & programmable multi-switch
- Oil-level indicator on the display, with warning light on sewing head



Optional:

- Edge guides
- Material guides
- **Folders**
- Binder attachments

		(MAX)	<u>→ </u> ←	Ł	N.	₽			Ţ	
2595	1x301	2600	12	•	•	L	•	9	10/3	•
» DOUBLE NEED	LE:									
2596	2x301	2600	12	•	•	L	•	9	10/3	•
		rpm	mm		mm			mm		mm

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Pfaff | 3108



Free programmable flatbed computer stitcher

- PFAFF POWERLINE sewing head with a horizontal sewing hook for threads form 80/3 to 20/3
- Hopper foot adjustable from 0 to 9 mm
 - programmable in two steps (Standard 4 mm)
 - Lift of hopper foot 18 mm
- Thread trimmer with a rest thread end of < 13 mm
- Second thread tension (program controlled)
- Thread nipper ensures a neat seam start (no thread tail on top of the work piece)
- Thread wiper electro-pneumatically controlled
- Intermittend feed system
- Automatic fresh oil supply to the sewing hook

Optional:

- Edge guides
- **Folders**
- Material guides
- Binder attachments

		(MAX)	→ ←		₽	<u></u>	Ā
3108	1x301	2800	12	•	L	20	80/3- 20/3
		rpm	mm			mm	

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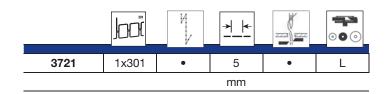
Docu seam system (with needle feed + differentiable wheel feed and roller presser)

- Quality assurance system for the production of safety-relevant seams
- In the field car interior the machine is very applicative for seams which have small radii at the formed parts
- Automatical thread-tension device and real-time monitoring of thread force (stitch by stitch)
- Skip stitch recognition inside and outside of documented seams
- Electronic thread tension adjustment (no manual adjustment necessary)
- Sewing head recognition
- Operation of all functions with touch-screen
- Free label design
- Programmable stitch length (in each seam sector)
- Scanner for thread and label control



Optional:

- Seam width control with sensor-controlled edge guide
- Thread force calibration
- Motor-driven edge cutter with smallest edge distance of 1.5 mm



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Pfaff | 3745



Docu seam system with unison feed

- Quality assurance system for the production of safety-relevant seams
- Automatical thread-tension device and real-time monitoring of thread force (stitch by stitch)
- Skip stitch recognition inside and outside of documented seams
- Electronic thread tension adjustment (no manual adjustment necessary)
- Sewing head recognition
- Free label design
- Programmable top feed lift and programmable stitch length (in each seam sector)

Optional:

- Seam width control with sensor-controlled edge guide
- Thread force calibration
- Motor-driven edge cutter with smallest edge distance of 1.5 mm

				N		100	<u> </u>	
3745	1x301	•	•	•	•	L/XL	20	9
					mm		mm	mm

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This equipment may be protected by one or more of these patents. Other patents may be pending: US patents: 4,280,421; 4,432,294; 4,466,367; 4,644,883; 5,134,947; 5,159,889; 5,203,270; 5,522,332; 5,524,563; 5,562,060; 5,634,418; 5,647,293;



300U-194A | **Singer**

Heavy duty, Single Needle, Two Thread, Double **Chainstitch Sewing Machine,** with Unison Feed

- High Speed
- In-line Loopers
- Unison feed, (bottom feed, needle feed, alternating presser feet)
- Semi-Automatic Lubrication

Optional:

- Edge guides
- Material guides
- **Folders**
- Binder attachments
- Custom gauge sets
- Custom puller assemblies



	301	(MAX)	→ ←	System	Ţi	∳c	<u></u>
300U-194A	1x301	4000	1-8	62x59	36.5	270	11
		rpm	mm		mm	mm	mm

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SunStar | SPS/E-8050H



Computer-Controlled, Independent Direct Drive, Beam Frame, Split-Head Construction, Pattern Sewing Machine, Operation Panel Direct Programming

- Sew field range 800mm x 500mm
- Box Beam construction
- Split sewing head, upper shaft and lower shaft separately driven by independent servo motors
- High head lifter (50mm)
- Template recognition
- Quick change clamp
- High clamp lift (80mm)
- Upper thread holder
- Thread trimmer

Optional:

- Programming software
- 880 x 580 sew field expansion

		(MAX)	→ ←	System	Ţi	P	<u></u>	<u>L</u>	Ā
SPS/C- 8050H	1x301	2300	0.1-12.7	DPx17 DPx15	41.2	XL	22	4	10/3
		rpm	mm		mm		mm		

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1410X86001 Atlanta Attachment

Tooling for the SunStar® SPS/C-8050H

- Custom tooling to sew large, irregular
- Consistent, uniform stitching improves appearance of finished part
- Machine sews as operator loads next piece; in many cases operators can run two machines
- Cassette tooling allows machine to sew multiple styles on one machine
- Clamp recognition, available on some models, allows the machine to sew the correct pattern for that particular cassette

Optional:

- Edge guides
- Material guides
- **Folders**
- Binder attachments



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45

Custom Designed Equipment

Working alongside our affiliate company, Atlanta Precision Machining and Fabrication, we can make any custom die for all your tooling needs.



17 CNC Milling Centers 7 CNC Turning Centers 10 Trak K3 Programmable Mills

5 Manual Lathes

4 Surface Grinders

4 Break Presses

3 Lasers

1 Water Jet

7 Welding Booths

1 Sand Blast Booth

1 Black Oxide Tank

1 Wet Paint Line.

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Custom Designed Equipment



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Foreign patents: 9-520,472; 0,537,323; 92,905,522.6; 96,936,922.2; 2,076,379; 2,084,055.
Other U.S. and Foreign Patents Pending. Copyright 2012 Atlanta Attachment Co.

Ergo-Components

Tables

- All shapes and sizes available from 20"x48" rectangular, to 48"x60" L-shape
- Custom sizes available by special order
- Custom engineered air tables



Stands

- Sit-down operation T-Legs
- Stand-up operation T-Legs (reinforced)
- Ergo stands with manual or electric height adjustment
- All stands available with casters







Pedals

- Sit-down pedals for Clutch or Electronic motors
- Stand-up Pedals
- Various configurations from 1 to 4 pedals to control all or individual functions
- Custom pedals manufactured to customer specification.

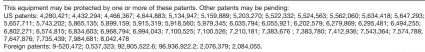


Motors

- EFKA, Juki, Panasonic, Mitsubishi and Quick
- 110/220 Volt Clutch
- 110/220 Electronic Servo (AC and DCs)
- Choice of control panels and synchronizers



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Attachments & Folders

All Standard Sizes Available in Stock **Custom Orders Made in 5-7 Days** from customer supplied sample



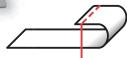
Binding Attachments



Block Binding

Hemming **Attachments**

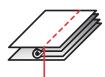


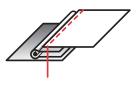




Welting **Attachments**







Zipper Attachments





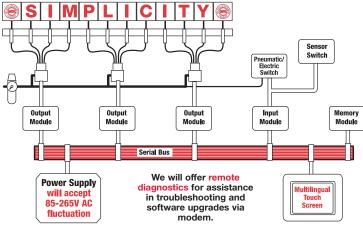


This is a small sample of our standard and custom attachments. Contact sales for a complete list of products.

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Serial Bus Control System







Automated Sewing Equipment with the Patented Serial Bus Control System

Our new Serial Bus Control System is a quantum change for our automated sewing equipment and the sewn products industry. Our Serial Bus System, based on only four wires, is self-diagnostic and offers helpful solutions to solve the problem.

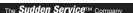
An operator using a touch screen control panel manages this rugged, uncomplicated system. Designed to international standards, this multi-lingual, easy to operate interface will allow numerical parameters to be saved, allow technician access with password protection and offers a built-in production performance monitor which can be networked to a central computer.

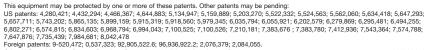
Unconditional Warranty 3 Years Unconditional... Period!

A warranty is a fulfillment promise to be honored with pride. At Atlanta Attachment Company we are proud to honor our new 3 Year Warranty which is unsurpassed in the industry. This warranty covers all electrical components of the state-of-the-art Serial Bus Control System used on our Automated Sewing Workstations.

Patented

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APS1 Atlanta Parts Depot

Automated Parts Management System

- Multi-access drawer modules
- High storage capacity with minimal footprint
- 24/7 secure access
- Touchscreen interface
- Emergency override in case of power failure
- Modular design/easily configurable
- Expandable add-on units
- Comprehensive reporting
- Automated replenishment

Technical Information

Software provides full inventory management with complete control, reordering, audit trail and reporting capability and is ready to connect to your network for analysis and management of your crib activity.

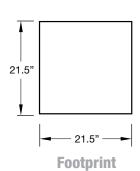
Options

- APS2 Parts Cabinet
- APS3 Parts and Equipment Locker



Drawer-based dispensing requires NO





Mix and match any configuration with multiple units to fit the needs of your plant

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LEADTEC

What is Leadtec Shop Floor Control?

Leadtec SFC offers you complete control over your shop floor.
Leadtec benefits manufacturers through improved profitability, reduced production costs, accelerated throughput time, and improved product quality.

Features





Operator Skill History and Piece Rate Performance

Maintains historical operator performance data on each job as well as tracks actual rate performance on each piece rate.

Product Line Balancing

Provides constant production and inventory information, predicts problems, suggests solutions and actually simulates transfers to help suggest the best alternative.

Actual Costing

Shows production cost of each style, order and cut, including a breakdown of excess costs by cause which enables accurate product cost evaluation based on true factory experience.

Work-in-Process Inventory Control

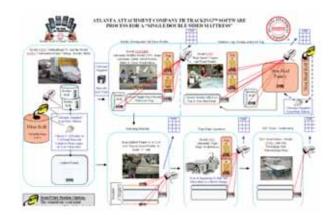
Tracks each order, cut and bundle as it moves through the factory. This also simplifies the process to locate lagging work.



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* The reflected costs are based on a minimum anticipated 10% labor savings. Employee fringe benefits are not factored into these numbers. Based on \$12/hour employee working 40 hours a week for 52 weeks with a employee base of 60. Average Employee Cost\$24,960/yr (based on \$12/hr wage)
Average Facility Cost ...\$1,497,600/yr (based on 60 employees)
Anticipated Savings\$149,760/yr (based on 60 employees)

Fire Retardant Tracking Features



Track each FR material by job

Configure and track each critical component, simplifying CFR 1633 reporting requirements.

Audit at Inspection

Scan beds at inspection to verify all critical components have been logged.

Reporting

There are existing reports by law tag number, lot number, job, or FR item. You can also create your own reports by linking through ODBC.

Your Total Solution!

Plant Engineer Perspective

A new market is starting and the pace is hectic. You refer to your "to do" list for today which has three new styles to cost, two follow-ups, and a style with a standard cost that production says cannot be met.

With Leadtec you can get most of the information you need by reviewing the detailed log printout. Leadtec shows you the time worked and efficiency on each bed for the entire day. The log printout shows that both operators perform fine most of the day, but fall to less than 50% when they work on a certain bed. Some legwork shows that it is a "hard" fabric that requires more steps to taylor.

You are ready to cost out the three new styles. You can do this by finding "similar to" styles on Leadtec and modifying a few operations until the new style is defined.

With the power of Leadtec, it can be modified quickly without distracting everyone. You'll change the rate on the operation in just one place and the system will handle everything else. With Leadtec you can do this on a permanent or temporary basis for a style, or even a single bed.

You are ready to look at the style which "production" claims will never reach standard.

Leadtec lets you see the "actual" cost including excess costs by category for each style. A quick review of the system's record of actual costs and we see that there really is a problem. The style is running high on make-up, and it's all on the quilting operation. Piece-Rate Performance shows that overall, operators perform at over 110% on that piece rate. Some research on the floor shows that the method is substantially different for this style. A new rate must be set. Production was right about the standard cost being a problem. You'll have to adjust the rate and tell marketing about the slight increase in cost.

Manager Perspective

You sign on to your terminal and select "Absenteeism" from the Leadtec menu. Only 2 operators are absent from a department of 40, but the screen indicates that they both work on the same job: flanging.

You select "Current Production and Inventory" from the menu. It shows current production and inventory levels for every job in your department, and projects the entire day. Flanging is going to be a bottleneck: the computer projects 1,100 panels against a target of 1,600. You had forgotten about those California Kings coming through today, further aggravating the absenteeism problem. Leadtec remembered them.

It's time to ask for help: you tell the computer that you need to "balance" flanging. It shows 4 other operators who can help out on the job, and shows that two of them are working on jobs that are going to exceed production. You tell the computer to "try it out" — what happens if we transfer them.

It illustrates that the transfers will give you a total of 1,770 units on flanging, and you'll just make production on the jobs that they are leaving. It warns you that one of the operators will cost \$12.50 in excess labor cost. You tell the computer to transfer the on-standard operator so there won't be any excess cost.

Back to the "Current Production and Inventory" screen: flanging looks pretty good now, and the rest of the department is in excellent shape. You'll check again around lunchtime. Your beeper will alert you should another potential problem occur.

In preparation for your morning supervisor's meeting, you print your up-to-the-minute "Tracking Summary" report. You have tailored this report to give you a clear picture of your department. The report tells you how your components are progressing through each job in your department, which ones are moving smoothly, which ones need attention and where

the attention should be focused.

The department is "set up," so you go to work: you have a new operator to train, another operator whose production has been falling off in the afternoons and, as always, quality to check.

Select "Section Status," the screen shows you that your section is currently working at 94%. You notice that your operators are spending 89% of their time on-standard and while on-standard are earning at 102%. However, you also find that you have 3 operators off-standard and that they are only working at 41%. So you bring up those operators on your display and notice that Mary's machine is still down and Bobbie has been on repairs much too long. You now know what to do. You head back out onto the floor with the sole purpose of getting those people back on-standard and keeping your efficiency high.

Operator Perspective

You walk into the shop and head straight for your sewing machine. At your machine, you pull out your employee card and "scan" the bar-code through the Leadtec terminal. Moments later, your name appears on the screen to verify that you are clocked in and ready for work.

You pick up your first component of the day. Pull out the component card, scan the bar-code through your terminal and return the card. The terminal "beeps" and tells you the piece rate and quantity for the part. As you check to make sure that you're paid correctly, you note the "clock" on the terminal, telling you that you have 4-1/2 minutes to complete the part to meet

your goal. As a 120% operator, you know that you must maintain this steady pace all day in order to make good money.

Finished; the terminal says you still have 15 seconds left, and that you have finished the bundle at 128%. For the first time, you think that you'll make at least 120% for the week.

You check earnings inquiry, and the terminal tells you that you have made \$31.68 or \$7.04/hour – 128% for the morning. You hit the lunch key and head for the cafeteria.

Just after afternoon break, you sit down at your machine. You know that you took a few minutes too many, but it shouldn't make any difference. Your terminal seems to think otherwise: it says you have taken 14 minutes too long and should have done 9 pieces by now. You ask for your earning, and find that you have dropped to 122%.

You finish your last piece, working right up to the bell: You write down your total earnings for the day. You key in one last earnings inquiry, and are rewarded with good news: you made \$54.96 today and worked at over 125%.

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