

Machine types	Singel-jersey-knitting-machines										Double-jersey-knitting-machines		
	R RV R-K1-1s R-K2-1s R-K3-1s	RR3 RR3-PL RR3-UM RR3-PL-UM Z8/R	RV / RR3-Z RR3-Z-L RR3-Z-LM RR3-Z-UM RR3-Z-PL	RR3-Z-R-109 RR3-Z-J-109 RR3-Z-B-109 RR3-Z-PL-109	R-UM-2s/3s/4s RV-UM-2s/3s/4s RR3-UM RR3-H	RSK RSK-POY R-1s-K12" RR3-1s-K12"	TK 83 TK 83/L TK 83-GTM TK 83-Z-26F	RME RME-L RME-S RME-PL	RD RD-UM RD-Z	RVU RHU	RR2 RR2-Z RR2-Z-I	RR2-Z-F-109 RR2-Z-R-109 RR2-Z-J-109 RR2-Z-B-109 RR2-Z-UHP-109	RR2-FB-109 RR2-Z-FK-109 RR2-Z-FB-109 RR2-Z-FBJ-109 RR2-Z-FBRJ-109
Field of application (examples)	Cords, shoe-laces bands, trimmings, bandages, insulation, artificial vains, effect yarn etc.	Bandages, glassfiber-, dust- and water-filter, packing hoses, offset-roller cover armament silencer, swing- damper, protection covers, bearing bushes	Bandages, glassfiber-, dust- and water-filter, packing hoses, offset-roller cover armament silencer, swing- damper, protection covers, bearing bushes	bandaging material, underwear, caps, scarves, washing gloves, sampling of products, finished technical textiles with fixed edging etc.	covering of hoses to protect against damagings, covering of cables, covering of spont, washing pats. etc.	Crinkle yarn produced by knit- de-knit process, space-dying of carpet yarns, effect yarns artificial grass etc.	Yarn-test-machine for control of dye affinity from spool to spool with /without stretching device	Compression hosiery etc. pluch-socks, wash gloves, plush-underwear, ties, etc.	Swing-damper in air-bags, exhaust units, filter, contact making sealings, electrical shieldings, protection cover with in- lays, catalyzer, jewelry.	Radiator hoses in cars, garden hoses, silicone hoses, low-pressure hoses up to 90 bars pressure	Cuffs, polo-necks, bandaging material, under- wear, caps, scarves	under-wear, medical bandages, sampling machine, etc.	Knee-caps, elbow-caps, ankle-caps and other protection caps, hats and scarves
Machine details	Diameter 1/16" - 2" gauge 0,5 - 48	Diameter 1/4" - 50" gauge 0,5 - 48	Diameter 2" - 50" gauge 0,5 - 34	Diameter 1" - 20" gauge 0,5 - 34	Diameter 1/16" - 12" gauge 0,5 - 40	Diameter 3 1/2" or 12" gauge 0,5 - 48	Diameter 3 1/2", 4" or 5" gauge 0,5 - 48	Diameter 1/2" - 8" gauge 6 - 28	Diameter 1/12" - 50" gauge 0,25 - 32	Diameter 1/2" - 6" gauge -	Diameter 2 1/4" - 32 " gauge 2 x 0,5 - 2 x 24	Diameter 2 1/4" - 20 " gauge 2 x 0,5 - 2 x 24	Diameter 4 - 12" gauge 2 x 8 - 2 x 14
Versions of the machines	R Single circular knitting machine without sinker knock-over, from 1/12" up to 2 1/2" diam. with stationary cylinder	RR3 Single circular knitting machine with sinker-knock-over, with stationary cylinder	RV-Z / RR3-Z RV-Z Single circular knitting machine without sinker-knock-over with rotating cylinder. RR3-Z ditto but with sinker-knock-over RR3-Z-LM for fabrics with long and short stitch selection	RR3-Z-109 Single circular knitting machine with sinker-knock-over, rotating cylinder, electronic monitoring of stitch, finger stripper etc. RR3-Z-R-109 with striping device RR3-Z-J-109 with Jacquard RR3-Z-B-109 curved knitting	R-UM Single circular knitting machine without sinker knock-over, from 1/12" up to 2 1/2" diam. with stationary cylinder to knit around a core	RSK 2/4/8-head circular knitting machine with stationary 3 1/2" diam. cylinder	TK 83 Single circular knitting machine with sinker knock-over, with stationary cylinder	RME 1-cylinder compression stocking machine with shoulder edge and single needle selection	RD Single wire circular knitting machine without sinker-knock-over, with stationary cylinder optional with downholder (Lucas patent)	RHU Horizontal hose-covering machine	RR2 Rib circular knitting machine with stationary cylinder	RR2-Z-109 Rib circular knitting machine with rotating cylinder with computer for controlling stitch, etc RR2-Z-E-109 mit dial needle selection RR2-Z-R-109 with striping device RR2-Z-J-109 with jaquard device RR3-Z-B-109 curved knitting	RR2-FB-109 Rib circular knitting machine with stationary cylinder and electronic tuck stitch adjustment
RV Single circular knitting machine without sinker-knock-over with stationary cylinder and with special stitch-downholder (Lucas-Solution)	RR3-PL Single circular knitting machine with sinker knock-over and push device with stationary cylinder	RR3-Z-L Single circular knitting machine with sinker-knock-over, with stationary cylinder and with special knitting-device for lengthwise striping	as above but with plush knitting possibility	RV-UM Single circular knitting machine with sinker knock-over, from 1/4" up to 2 1/2" diam. with stationary cylinder to knit around a core	RSK-POY 2/4/8-head circular knitting machine with stationary 3 1/2" diam. cylinder, with stretching device for POY/MOY/ LOY yarn with sinker-knock-over	TK 83/L Single circular knitting machine with sinker knock-over, with stationary cylinder and splicer / knotter	RME-L single cylinder compression stocking machine, high performance machine simple to handle with winding-down tackle	RD-UM Single wire circular knitting machine without sinker knock-over, with rotating cylinder to cover cores.	RVU Vertical hose-covering machine	RR2-Z Rib circular knitting machine with rotating cylinder	RR2-Z-UHP-109 Rib circular knitting machine with rotating cylinder with computer for controlling the bellaripp selection, (transfer jaquard machine) etc	RR2-Z-FK-109 rotating cylinder, high performance machine for simple knee-caps	
R-K1-1s Multi-head circular knitting machine (max 24 heads) with stationary cylinder from 1/12" - 1 1/2" diam. Separate winding device	RR3-UM Single circular knitting machine with sinker-knock-over with rotating cam box. Fabric-turn-unit to have the inside of the tube outside. RR3-PL-UM with plush device	RR3-Z-UM Single circular knitting machine with sinker-knock-over with rotating cylinder. Fabric-turn-unit to have the inside of the tube outside (also plush)		RR3-UM as above but with Fabric-turn-unit to have the inside of the tube outside	R-1s-K12" Single circular knitting machine with stationary 12" diam. cylinder without sinker knock-over	TK 83-GTM Full-automatically single circular knitting machine with sinker knock-over, with stationary cylinder	RME-S 1-cylinder stocking machine with plush-device	RD-Z Single wire circular knitting machine without sinker knock-over, with rotating cylinder from 4 - 30" diam.		RR2-Z-I Interlock circular knitting machine with rotating cylinder		RR2-Z-FB-109 rotating cylinder, knee-cap machine, firm edge, RR2-Z-FBR-4s-109 with 4 finger stripper.	
R-K2-1s / R-K3-1s Multi-head circular knitting machine (K2 max 12 heads) (K3 max 16 heads) with stationary cylinder from 1/12" - 1 1/2" diam. Winding device inside the frame	Z8 / Z8/R Single circular knitting machine with sinker-knock-over, with stationary cylinder Z8/R Interlock circular knitting machine with rotating cylinder, fixation and cutting device	RR3-PL-Z Single circular knitting machine with sinker knock-over and plush device with rotating cylinder		R/RV/RR3-UM-H as above but the knitting head is moving in horizontal level	RR3-1s-K12" as above but with sinker knock-over	TK 83-Z-26F as above but with rotating cylinder	RME-PL 1-cylinder stocking machine for ties					RR2-Z-FBRJ-109 machine as before but with single needle selection for the cylinder, electronic stitch-regulation, optional needle selection in the rib system, etc.	

Warp-knitting-machines		Flat	Spiraling	Braiding	Winder / coil machines		Special machines		
VEPA-F	PA8-L	FR-100	RHU-S	PA2	SP-01-K1	ANB-02 / AVR	ABL-01	Taf-01 / Taf-02	FSW
VEPA-E	PA8-S	FRDD-100	SP-800F	PA3	NK-04	ANR-11	CF	Taf-03	LS-02
VEPA-G	PA40	FSM-1K-1s	PWK-01	PA4	SP-6K-KDK	PW / PWS	Raff	DC_01/02/03	SEH-01
RE		FSM-1K-2s		KEMAFIL	SP-290 / PWS	ABW	PS90600	FZ-6/8/12	UM
RES		FSM-1K-4s		K3601					
Nettings for packaging purposes in PP/PE or cotton, net-bandages, sausage packagings, mantles, reinforcements, nets for roast pork, tree root bales, etc.	Glass fibre sealings, trimmings, cords, filaments, effect yarn, ropes etc.	Bandages, glassfibre seals, dust- and water filter, packing hoses, reinforcements, insulations etc.	Radiator hoses in cars, air hoses, garden hoses, silicone hoses, low-high pressure hoses up to 200 bars pressure air-spring-hoses, fuel hoses etc.	Packing braiding machines for seals and gland packing seals, etc.	bobbin winder machines, cutting and tapping machines, fabric-re-winding-machines. Caterpillar for hoses or tubes	rewinding machines for all kind of flat tapes; circular knittingfabrics semi or full- automatic with or without inner tube	Special machines for further processing of textiles	special equipment for textil industrie	rewinding-machines for tapes and tubular textil fabrics
Diameter 1/2 - 14"	Diameter 1 - 50 mm	Diameter 5 - 1200 mm	Widths 1 - 300 mm	No. of pin 8 - 36	Bobbin sizes 100 x 100	Bobbin sizes 15 - 300mm	Special machines	Special machines	Special machines
gauge 2 - 12	gauge 2 - 18	gauge 1,75 - 34	no of bobbins 8 - 800		1000 x 1000				
VEPA-F	PA8	FR-100	RHU-S	PA2	SP-01-K1	ANB-02	ABL-01	Taf-01 / Taf-02	FSW
Circular warp knitting machine with 1-3 laying bars and optional with foil cutting device	Circular warp knitting machine with 1, 2 or 4 heads with 1-2 laying rings	Flat warp knitting machine with up to 6 laying bars in r / l construction	Spiral machine for hoses 2 x 8 bobbins til 2 x 32 bobbins	Circular warp knitting machine with 1,2 or 4 heads, with 1 to 2 Mounting rails	winding machine for big bobbin sizes from dia 290 x 400up to dia 1000 to 1000 mm	for winding from big rolls to small rolls (fully automatic) 1 winding head for soft and heavy bandages till max. 200 mm diameter AVR winder with cartridge	Cut-to length unit, ends to be secu- red with adhesive tapes. Cutting of ropes and cordlike materials	Layering device for laying the knitted fabric into a container Taf-03 Device for laying the fabric into a box in lenght and cross wise	foil cutting device for Polypropelen and Polyethylen material
VEPA-E	PA8-S	FRDD-100	SP-800F	PA3	NK-04	ANR-11	CF	DC_01/02/03	LS-02
Circular warp knitting machine with 1-3 electronically controlled laying bars	Circular warp knitting machine with or without inlay unit in diameters 1 mm - 14 mm	Flat warp knitting machine with up to 12 laying bars in R/R construction	Spiral machine 2 x 24 up to 2 x 800 bobbins	Packing braider, 3-layer construction	ball-winding machine	for rewinding from big bobbins to small bobbins (fully automatic) up to 4 winding heads, max. 100 mm diameter.	tubular fabric will be cut and then thermally fixed.	dancer control unit for hoses and textil fabrics (also contactless) to regulate the machine speed.	fabric cutting device
VEPA-G	PA40	FSM-1K-2s / -4s	PWK-01	PA4	SP-6K-KDK	PW / PWS	RAFF	FZ-6/8/12	SEH-01
Circular warp knitting machine with 1-3 laying bars and rubber feeding device, electronically controlled	Circular warp knitting machine with 1-2 laying bars, max. cylinder diam. = 50 mm	High-performance flat knitting machine for produce single-jersey, double-jersey fabric tubular fabric for flat knitted ware. Specially designed for glass fibre or other abrasive yarns with 2 or up to 4 knitting heads.	Wrapping machine for winding round tow, hoses, wires etc.	Packing braider, 4-layer construction	special bobbin-winding-machine for rewinding knit de knit fabric with 6 heads	PW Parallel Cross-winder for strips, cables, etc. 500 x 500 mm or 800 x 800 mm PWS As above but with higher output for the separate insert.	Gathering device for net packing material	Rotor twisting machine which is specially designed for the production of twists from paper or other materials with a diameter range of 1,0 - 6,0 mm	hose cutting device
RE		FSM-1K-1s		K3601	SP-290	ABW	PS90600		UM-01
Circular warp knitting machine with rotating rubber creel.		High-performance flat knitting machine for produce single-jersey, double-jersey fabric stripes or single-jersey tubular fabric for flat knitted ware. Specially designed for glass fibre or other abrasive yarns.		Kemafil machine with 4 needles or as a special solution with up to 8 needles.	precision-cross-winding-machine for treatment of yarn material of chemical, natural and paper processing industry for 1 -5 diam.	Unwinding unit with dancer control for different running speeds	catterpillar for pulling hoses with soft belts. Lenght of pressing from 300 mm up to 1000 mm.		UM_01 manual rewinding device for stripes UM_02 Semiautomatic rewinding device
RES									
Circular warp knitting machine with external stationary rubber creel.									

The company

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**modular solutions -
customized!**

Products

Circular knitting machines, circular warp knitting machines, flat knitting machines, spiraling machines, etc.

The performance



The company HARRY LUCAS is a textile machinery manufacturer specializing in circular warp / knitting machines. The highly specialized machines are exported worldwide for production of fabric used in the medical, technical textile and fashion markets.

HARRY LUCAS is also well known for the production of spiraling and circular knitting machines for low and high pressure hoses which are used e.g. in the automotive industry.

The company employs 100 people and produces about 300 machines a year. With this international network HARRY LUCAS guarantees top quality at best prices with best individual customer service - worldwide.

The philosophy

"The most efficient conversion of the requirements and demands of every individual customer."

Whether it is about technical instruction, the just-in-time delivery of spare parts or the customized conversion of constructive approaches during the development of each machines - the customer is always in focus of the companies efforts.