

**GOAL**  
**SINGLE CYLINDER**  
**GK544H**

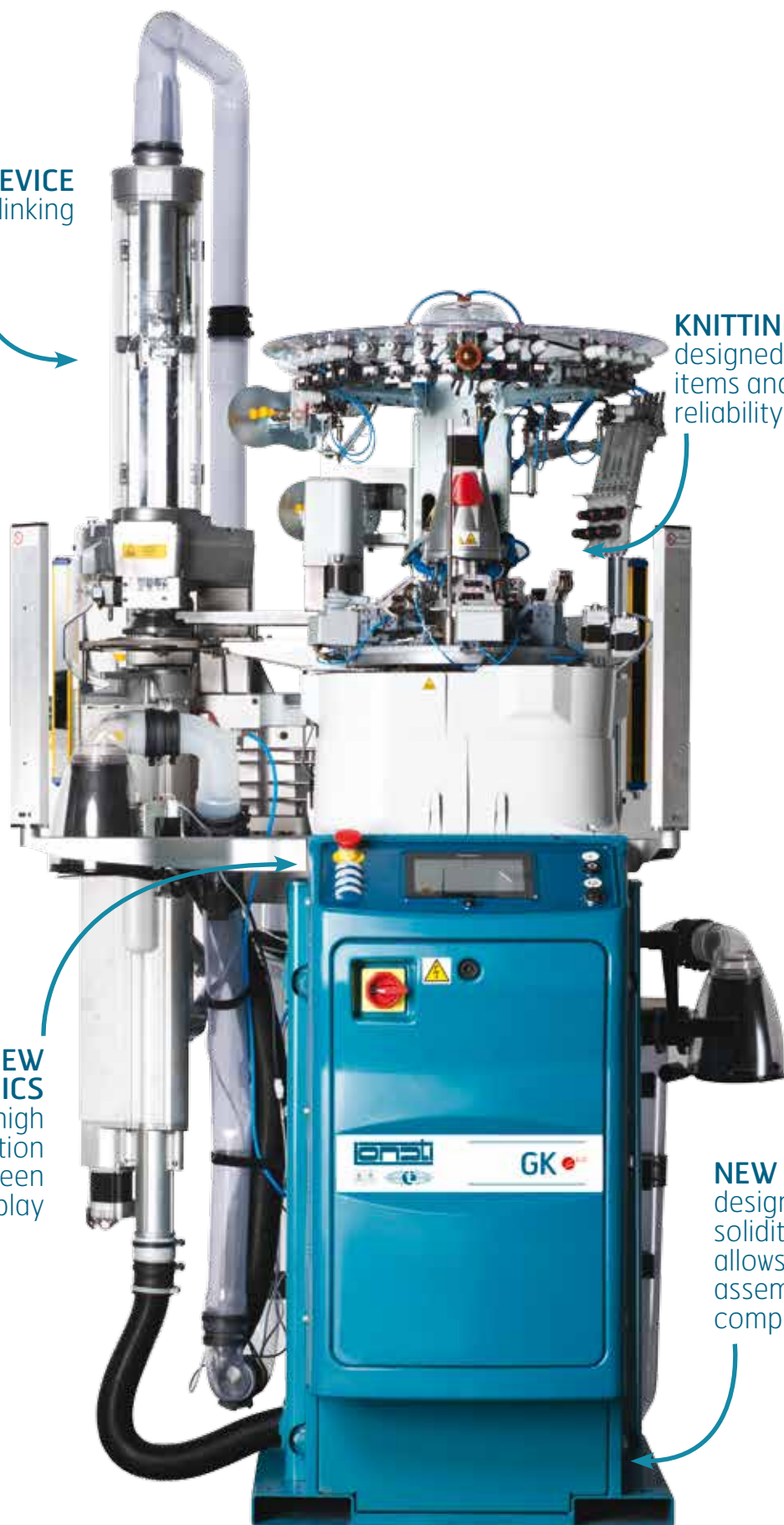
# SINGLE CYLINDER GK544H

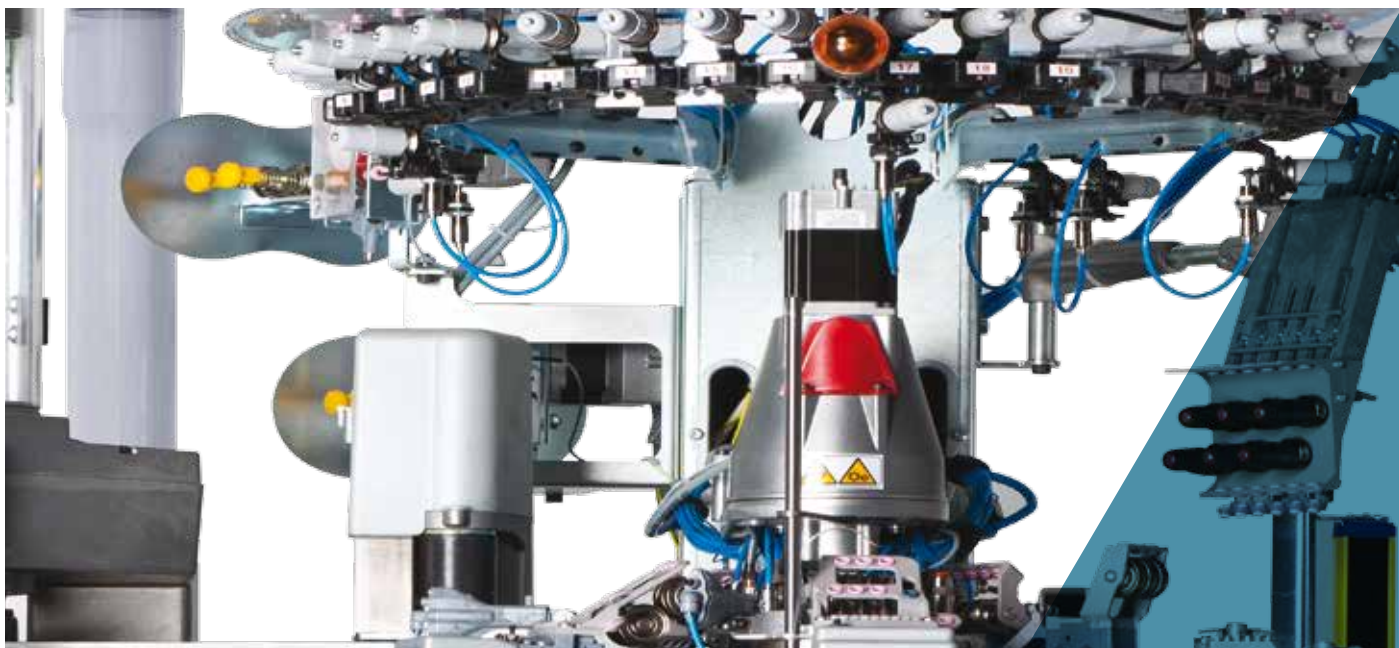
**SBYS DEVICE**  
for automatic linking

**KNITTING HEAD**  
designed to knit high quality  
items and ensure constant  
reliability over time.

**NEW  
ELECTRONICS**  
with high  
resolution  
touch screen  
display

**NEW BASE**  
designed to increase  
solidity and rigidity,  
allows a more ergonomic  
assembling of  
components





All images in this brochure are indicative and not binding.

## SINGLE CYLINDER GK544H

Goal Series 4 feeds machines are designed to offer maximum productivity. They are available in 4" diameter with different numbers of needles. Automatic linking with SBYS device, performing a "real linking" technique. Advantages are remarkable: superior quality sock finishing, more comfort and resistance compared to socks made using conventional systems. Latest generation electronics provides control and execution of all machine commands. Drawings and articles are created and managed by Digraph 3 Plus software package, which contains a full collection of styles the operator can combine in different ways to obtain the desired results.

- 4 colors pattern on one course on single feed, plain knit
- Reciprocated heel and toe in different sizes
- 27 yarnfingers
- Rising dial and finger plate with stepping motor
- 9 electronic actuators for needle selection
- Brushless coaxial main motor

### DIMENSIONS



Length cm 116,8  
Depth cm 103,7  
Height cm 226

### WEIGHT



Machine ca. 320 Kg  
Yarn creel ca. 46 Kg

### CERTIFICATION

# SINGLE CYLINDER

## GK544H

### TECHNICAL FEATURES

MODEL	CYLINDER DIAMETER	GAUGE	NEEDLE THICKNESS
GK544H	4"	from 8 1/2 to 19	0.85 - 0.70 - 0.60 mm

Above data are indicative and not binding.

### STANDARD DEVICES

- Stepper motor electric dial with adjustable height
- Stitch cam feeds: 1,2,3,4 with 2 different heights
- High speed motorized sinker cap
- High resolution touch screen display
- Yarn sliding sensors guard cleaning device
- Heel yarn recover device with four positions
- 2 stepper motor controlled adjustable suction valves
- 9 yarnfingers on first feed, 6 on second, third, fourth feed
- Yarn creel
- USB port
- Circular yarn cutter with mechanical stop

### MAIN OPTIONAL DEVICES

- LGL Eco Power or Compact yarn storage feeder
- Dinema YoYo positive yarn feeders
- Elastic yarn positive feeders, for compression socks
- Dinema Plus elastan positive feeders
- Stitch cam feeds: 1,2,3,4 with 3 different height.
- Motorized stitch cams
- Motorized sinker cap for sinker pressure
- Motorized sinker cap for sinker pressure and angular position
- Antitwist device
- Footlet device
- Inside-out sock ejection device
- Recover yarn device, 6 positions
- Yarn trimming circular cutter with adjustable speed
- Linking device inspection lamp
- Dial with 5 pliers for bare or coated elastane
- Ethernet board for connection to Dinema Nautilus data collector system
- Yarn sliding control sensors, Dinema ISPY
- 4 feeds for reinforced sole
- Pneumatic yarn tensioner for covered elastane
- Suction fan

### POSSIBLE KNITTING

The standard machine can perform the following knittings

- 4 colors pattern plus ground color, tuck and float stitch, 1 feed
- 3 colors pattern plus ground color, mesh, tuck and float stitch, 1 feed
- With laid-in elastic: 3 colors pattern plus ground color, tuck and float stitch
- With laid-in elastic: 2 colors pattern plus ground color, tuck and float stitch
- Tuck and float stitch, jacquard, 4 feeds
- Elastic on 2 feeds
- Mesh on 2 feeds

## NUMBER OF COLORS

Number of colors

4 colors on course plus ground color, one feed

## PERFORMANCES

		4" CYLINDER
KNITTING FEATURES		Disegno o selezioni 300 rpm
		Maglia liscia senza disegno 350 rpm
MAXIMUM SPEED		350 rpm

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**DISCLAIMER:** maximum speed may vary depending on yarn, knitting, lubrication etc

## GAUGE

		GAUGE																											
Model	ø	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	13½	14	14½	15	15½	16	16½	17	17½	18	18½	19	20	
GK544H	4"					108		116		132		144		156		168	176	180	188	192	200		216	220				240	
		Needle thickness 0.85 mm																											
		Needle thickness 0.70 mm												Needle thickness 0.60 mm															

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### DISCLAIMER:

All features in the brochure are for information only and subject to change without any prior notice.

For a complete list of available options, please contact Lonati sales network.  
The Company accepts no liability for improper use of machinery.



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