



# WarpMasterPlus

Maximum flexibility with minimal setup requirements

# GROZ-BECKERT

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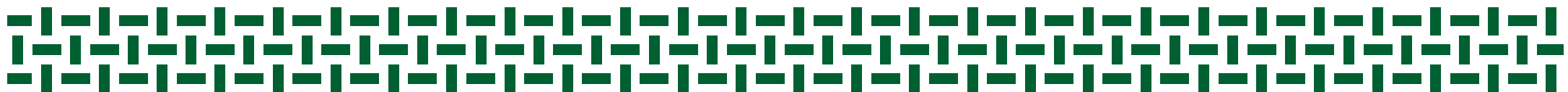
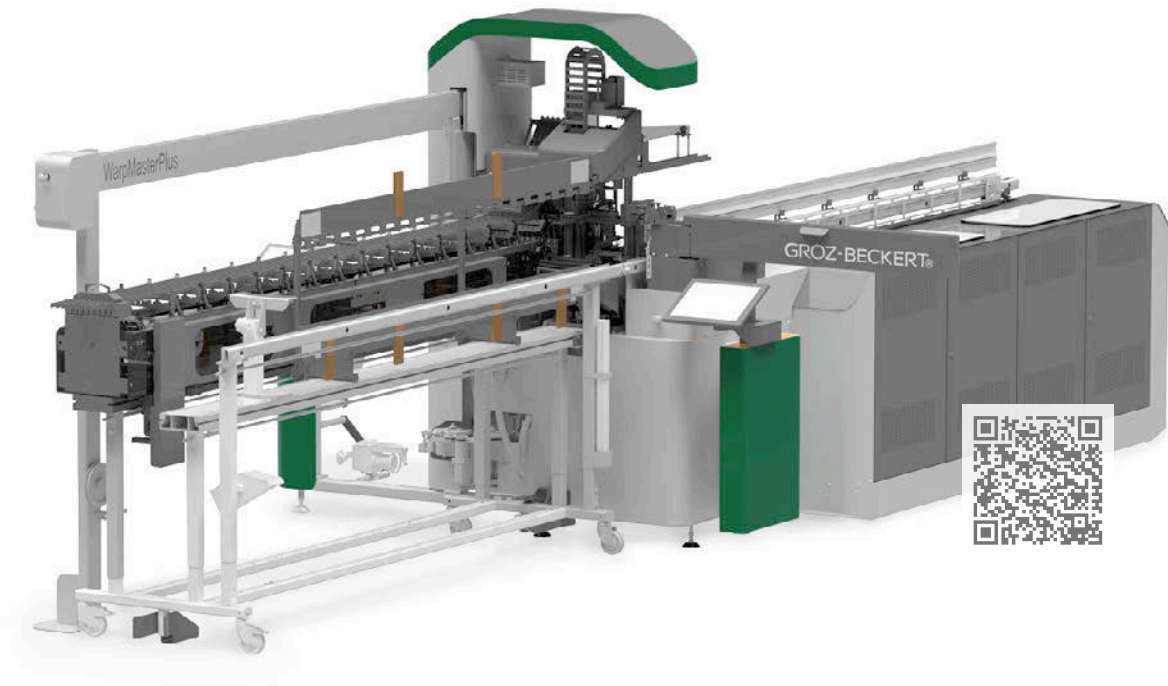
The WarpMasterPlus represents the latest generation of the worldwide established drawing-in concept from Groz-Beckert. Thanks to its modular design – consisting of needle, reed, healds, drop wires and yarn module – the WarpMasterPlus impresses with optimal flexibility, combined with maximum performance. The drawing in takes place via a single bobbin; the yarn is drawn in by the drop wire, heald and reed – independently from the warp beam.

### Your benefits at a glance:

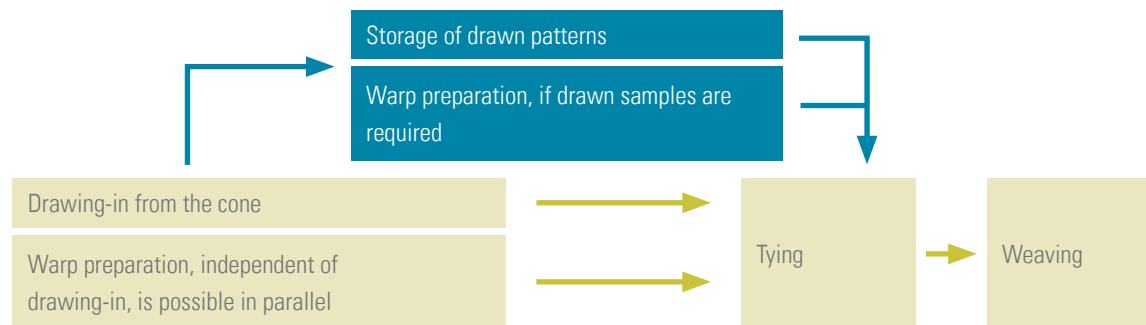
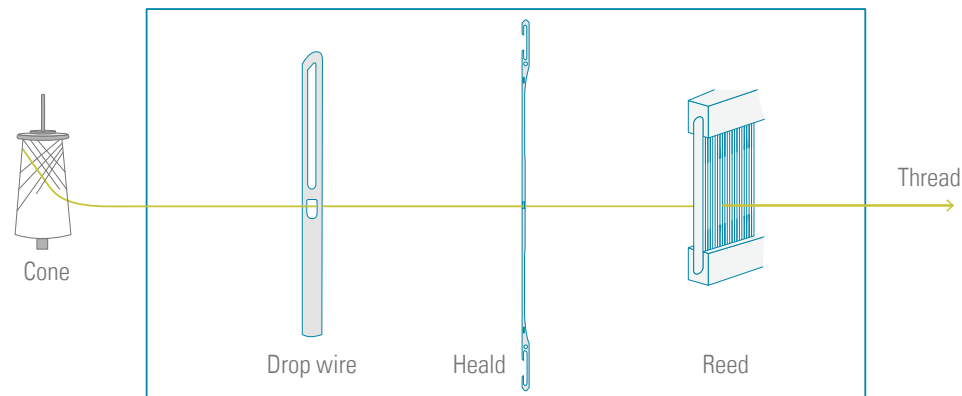
The WarpMasterPlus combines all properties offered by the established WarpMaster concept to date: this includes the low space requirements for the machine and drawn-in harness, the minimal training requirements for operating and maintenance personnel and the extremely easy operation thanks to sensors and video support. Like the WarpMaster, the WarpMasterPlus offers maximum flexibility with minimal setup requirements and problem-free drawing in of critical warp yarns, as the drawing in takes place via a bobbin.

The WarpMasterPlus also offers further advantages:

- Modular design
- Operation via a modern, swiveling computer with touchscreen (2 monitors possible)
- Easy maintenance and repair services



## The drawing-in principle of the WarpMasterPlus



### Benefits:

- Drawing-in during the warp preparation
- Maximum flexibility for short-term orders, thanks to drawing-in that takes place independently from the warp beam
- Easy transport and interim storage of drawing-ins without warp beam
- Optimized space conditions, as the work trolley at the side can be moved away
- Easy drop wire handing thanks to 8 individual drop wire magazines
- Automatic transport of the healds and drop wires, as well as sorting out of the faulty healds and drop wires
- Drawing in of DUOMIX healds without pre-sorting
- Automatic setting of the heald type (distance and thread eye)
- Individual machine length with drawing-in widths over 4 meters

## Specifications

Type	2400	4000
<b>Standard drawing-in width reed</b>	240 cm	400 cm
Comment	Customer-specific widths available	
<b>External dimensions</b>	Length: 6.8 m Depth: 3.2 m Height: 2.2 m	Length: 10.0 m Depth: 3.2 m Height: 2.2 m
<b>Space requirement and work truck</b>	7.8 m x 4.2 m	11.0 m x 4.2 m
<b>Minimum space requirement</b>	approx. 33 m <sup>2</sup>	approx. 46 m <sup>2</sup>
<b>Weight</b>	approx. 2100 kg	approx. 2200 kg
<b>Drawing-in speed</b>	max. 150 ends/minute	max. 150 ends/minute
Comment	100 ends/minute with reed density 400+/10cm	
<b>Reed density</b>	max. 500 dents/10 cm	max. 500 dents/10 cm
<b>Reed height</b>	90 mm – 130 mm	90 mm – 130 mm
Comment	Customer-specific reed heights available on request	
<b>Frames</b>		
Quantity	max. 20	max. 20
Comment	with connecting slot, without connecting slot on request	
<b>Healds</b>		
End loop	C + J	C + J
Type	SOLOPUR and DUOMIX	SOLOPUR and DUOMIX
Material	Steel	Steel
Thread eye	from 5.5 mm x 1.2 mm	from 5.5 mm x 1.2 mm
	0 – 20 mm above centre (with 17" max. 10 mm above center)	0 – 20 mm above centre (with 17" max. 10 mm above center)
Length	10" to 17"	10" to 17"
Thickness	from 0.2 mm	from 0.2 mm
Magazine	2	2
<b>Drop wires</b>		
Type*	open and closed	open and closed
Thickness	0.2 mm – 1.0 mm	0.2 mm – 1.0 mm
Width	8 mm – 11 mm	8 mm – 11 mm
Height	125 mm – 180 mm	125 mm – 180 mm
Magazine	8	8
<b>Compressed air</b>	not necessary	not necessary
<b>Power supply</b>	400 VAC	400 VAC
	50 – 60 Hz	50 – 60 Hz

\* Simplex/Duplex