

**MBL 22-8**  
**MBL 40-6**  
**MBL 40-8**

**INDEX**



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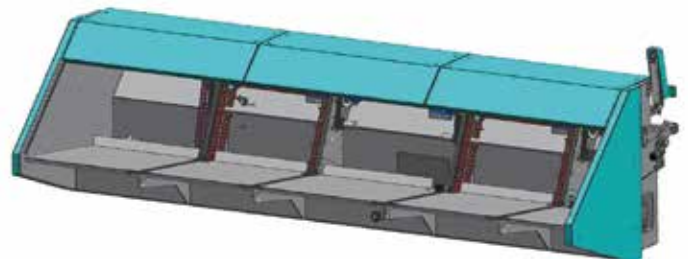
## **The benefits**

- The bars are drilled in parallel to the main time of the machine, which allows for very quick bar changes
- In many cases, higher maximum speeds possible
- Setting up the loading side and drilling unit during production
- Material feeding on the loading side and setup of the drilling unit during production
- Easy access through large doors on the front
- Vibration-damping design
- Feeding bars in all positions by the NC motor
- Bar loading magazine in 2 versions:
  - Version 3300: Bar length from 1500 - 3300 mm
  - Version 4300: Bar length from 2000 - 4300 mm

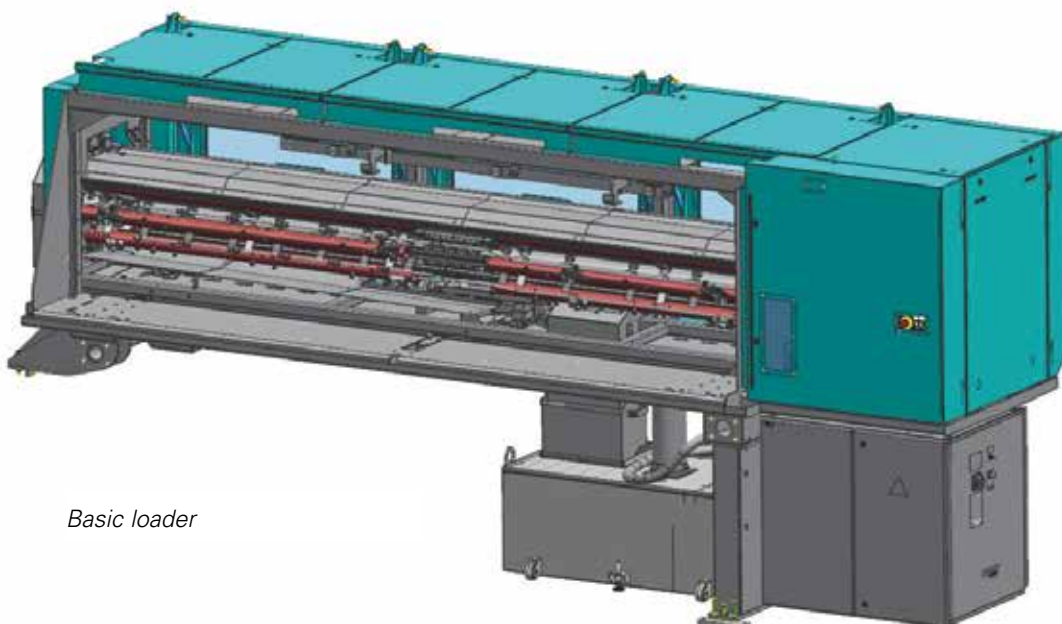
## **Modular component system**



*Bundle loader*



*Rack loader*

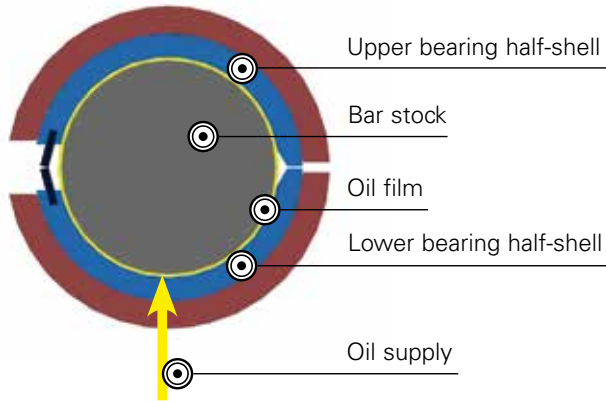


*Basic loader*



*Channel open  
Feed position - gripper unit*

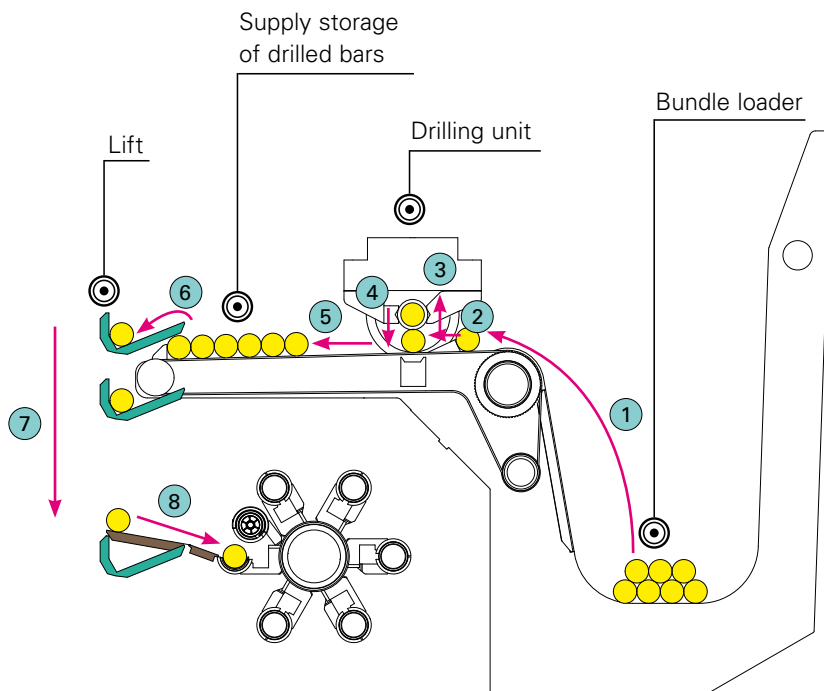
## Guiding principle



### Hydrodynamic guide of bars in oil-flooded channels made of sliding bearing material

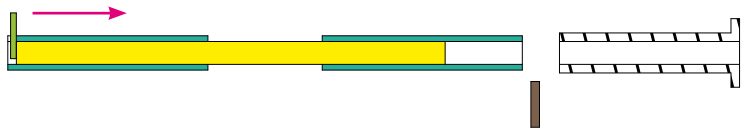
- The channels are adapted to the bar diameter with plastic reducers (bearing half-shells). Simple clip fasteners facilitate the setup of the bearing half shells
- This results in optimum guidance of the bar stock
- The guiding principle is suitable also for polygon bars

## Automatic bar feeder



- 1 Bar supply storage in the rack or as a bundle
- 2 Separation of bars
- 3 Lifting for drilling
- 4 Storing after drilling
- 5 Supply storage of drilled bars
- 6 Separation of bars
- 7 + 8 Feeding the bars into the guide channels

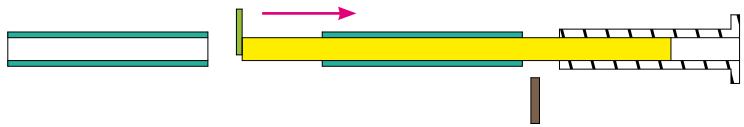
8 Bar in guide channel



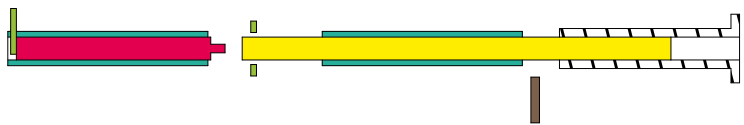
9 Measure bar length



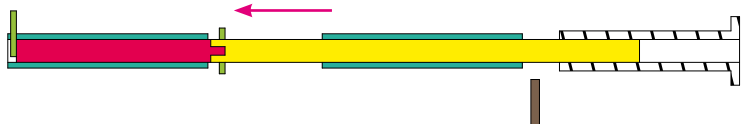
10 Feed position of gripper unit



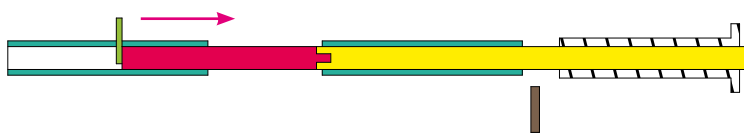
11 Grab bar



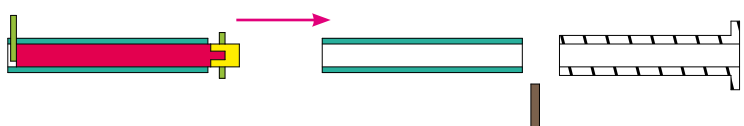
12 Pull on bar



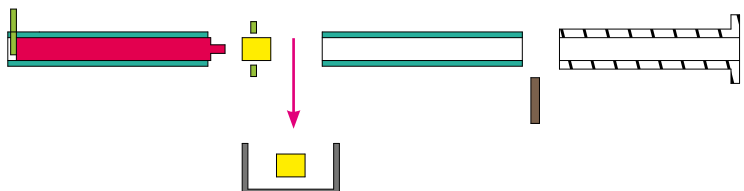
13 Machining position



14 Pull of remnant



15 Dispose of remnant



**INDEX bar loading magazine MBL**



*Channel open*



*Channel cross-section*



Technical data		MBL22-8	MBL40-6 / MBL40-8
<b>Bar stock</b>			
Round dia.	mm	5 - 22 (24)	13 - 40
Hexagon size	mm	5 - 19	12 - 34
<b>Bar supply storage</b>			
Rack loader load capacity	mm	700	700
Bundle loader dia. 300 mm	kg	max. 2000	max. 2000
<b>Bar lengths</b>			
Version 3300	mm	1500 - 3300	1500 - 3300
Version 4300	mm	-	2000 - 4300
<b>Speed</b>			
Depending on the nature of the bar stock	rpm	up 10,000	up 7,000

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