



TORNOS

ROBOBAR



MSF-522/6

MSF-522/8

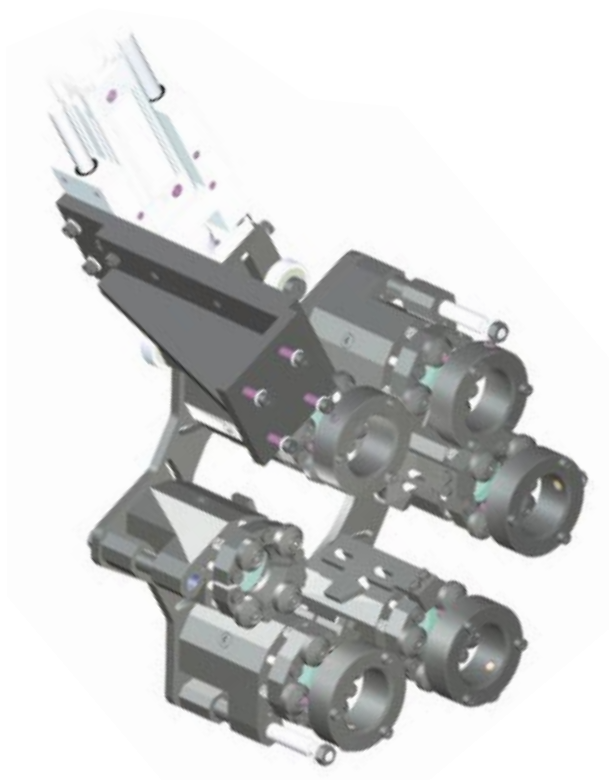
MSF-832/6

MSF-316/6

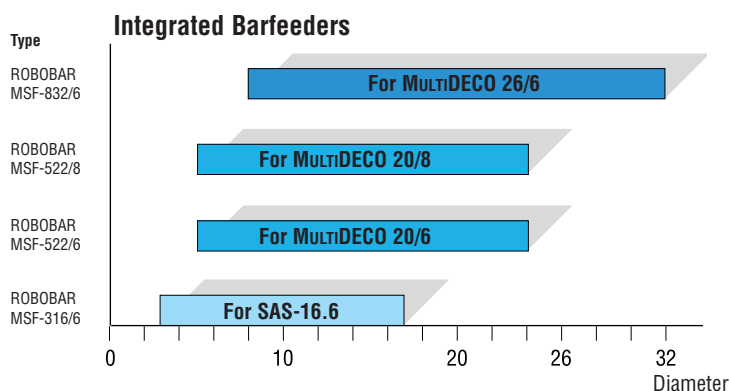
MSL-320

INTEGRATED AND ADDITIONAL
BARFEEDERS
ROBOBAR FOR MULTISPINDLES

Integrated Barfeeders ROBOBAR MSF-522/6, MSF-522/8 and MSF-832/6



- ◆ The integrated barfeeder offers you the important advantages of simple loading and reduced handling.
- ◆ Operations of loading by bar stacker, bar calibration, positioning and feeding are automatic.
- ◆ The interchangeable synthetic bar guides with mechanical locking and oil bath system.
- ◆ Version for bar 3 m and 4 m.
- ◆ The conception "Bar end integrated into the machine" suppresses totally the risks of short workpieces.
- ◆ Any alarms are displayed and the variables are entered on the machine CNC screen and console. "A single user interface".
- ◆ The general conception of the new barfeeder ROBOBAR MSF-522/6, MSF-522/8 and MSF-832/6 gives total integration into the machine MULTIDECO.
- ◆ Electrical and pneumatic energy (without hydraulics).



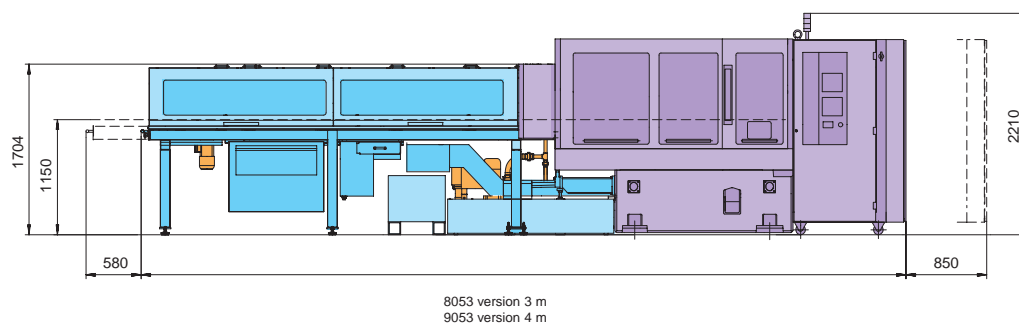
522/6

ROBOBAR
MSF

ROBOBAR MSF-522/6



Technical data: ROBOBAR MSF-522/6



- ◆ Rotation of bars in an oil bath, maximum speed 6000 rpm.
- ◆ Bar capacity min. Ø 5 mm max. Ø 22 mm, without preparation (Ø 24 mm with bar end preparation).
- ◆ 3 capacities of bar guides 5 - 8 mm, 8 - 13 mm and 13 - 22.5 mm.

- ◆ Change of capacity in ~ 2h.30 min.
- ◆ Loading by bar bundle, capacity 2000 kg, except for square and profiled special stock.
- ◆ Retraction of stock carriage by 580 mm (manual).
- ◆ Electrical and pneumatic energy (without hydraulics).

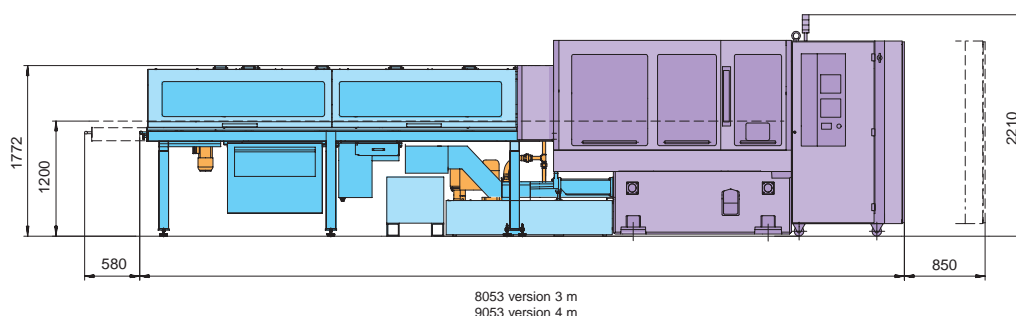
522/8

ROBOBAR MSF

ROBOBAR MSF-522/8



Technical data: ROBOBAR MSF-522/8



- ◆ Rotation of bars in an oil bath, maximum speed 5000 rpm.
- ◆ Bar capacity min. Ø 5 mm max. Ø 22 mm, without preparation (Ø 24 with bar end preparation).
- ◆ 3 capacities of bar guides 5 - 8 mm, 8 - 13 mm and 13 - 22.5 mm.

- ◆ Change of capacity in ~ 3 hours.
- ◆ Loading by bar bundle, capacity 2000 kg, except for square and profiled special stock.
- ◆ Retraction of stock carriage by 580 mm (manual).

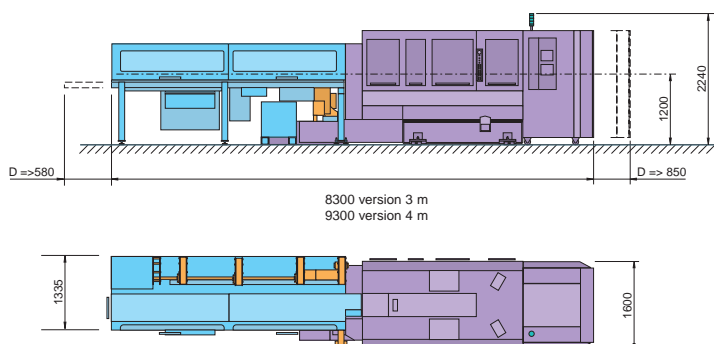


ROBOBAR MSF-832/6

ROBOBAR



Technical data: ROBOBAR MSF-832/6



- ◆ Rotation of bars in an oil bath, maximum speed 5000 rpm.
- ◆ Bar capacity min. Ø 8 mm max. Ø 32 mm, without preparation.
- ◆ 3 capacities of bar guides 8 - 16 mm, 13 - 26 mm and 22.5 - 32 mm.
- ◆ Change of capacity in ~ 2h.30 min.
- ◆ Loading by bar bundle, capacity 2500 kg, except for square and profiled special stock.
- ◆ Retraction of stock carriage by 580 mm (manual).



TORNOS

Integrated Barfeeder ROBOBAR MSF-316/6

A new loading system with reduced floor length has been developed by TORNOS.

More than 32 % of the floor space is saved, in comparison with an additional bar loader. In addition the integrated MSF-316/6 barfeeder brings improvements for simpler bar loading and less handling.

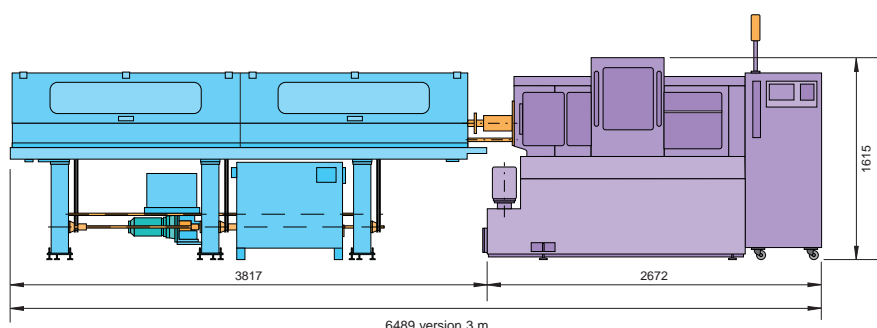
Optimisation of bar calibration operations, bar feeding, waste disposal and bar loading are automated and decrease the loading time.

The elimination of the feed fingers not only reduces set-up times, but saves investment money and removes the problem of bar end allowing a faster and more flexible installation to be achieved.



ROBOBAR MSF-316/6

Technical data: ROBOBAR MSF-316/6



- ◆ Bars: rotate in oil bath
- ◆ NC: FANUC
- ◆ Bar stacking capacity: 110 off 7 mm bars
- ◆ Barguide inertia: reduced to minimum
- ◆ Production rate up to 50 parts per minute
- ◆ Total length of SAS-16.6 + 3m-bar MSF 316: 6,5 m
- ◆ 3 capacities of bar guides 3 - 5 mm, 5 - 8 mm, 8 - 17 mm

The concept of the oil bath' and reduced force on the barguides allows for sustained production rates up to 50 parts per minute without bar vibrations and barguide jamming. Therefore, the new integrated barfeeder ROBOBAR MSF-316/6 enhances the quality of parts turned on the SAS-16.6.

The overall concept of the new ROBOBAR MSF-316/6 is based on TORNOS experience with the MSL and SSF barfeeders and is a guarantee for perfect operation and total compatibility between the lathe and the stock feeder.

In conclusion, the ROBOBAR MSF-316/6 saves floor space, improves the quality of the turned parts, extends unmanned operation while simplifying the job.

MSL-320

ROBOBAR

Additional Barfeeder ROBOBAR MSL-320

The additional bar loader "ROBOBAR MSL-320" from TORNOS is specially designed for multi spindle machines SAS-16.6.

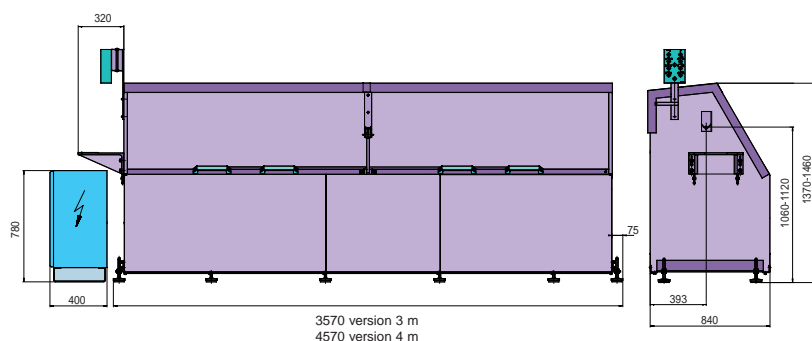
The adaptation for other machines is planned, "ROBOBAR MSL-320" loader increases the profitability of your machines.

ROBOBAR MSL-320



Main features

- ◆ Minimal ground space 3600/4600 mm
- ◆ Only one power source
- ◆ A very rigid construction
- ◆ High reliability of working
- ◆ Bar capacity dia. 3-21 mm
- ◆ Stock of bars 1200 mm (100 bars of dia. 12 mm)
- ◆ Simple lateral loading
- ◆ New adjusting system (presetting tool)
- ◆ Electronically adjusted thrust (low inertia, no wear)
- ◆ One only partner for machine and bar loader
- ◆ Flexibility by CN command
- ◆ Accurate positioning of the bar to the part off tool
- ◆ Versions for bar lengths of 3000 / 4000 mm (12 ft)
- ◆ Loading time about 25 seconds
- ◆ In conformity with international specifications
- ◆ Easy transport and simple installation
- ◆ Loading of hexagonal or square bars (optional)
- ◆ Adaptation for retrofit on SAS-16.6 / BS- 20.8





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