

# LATHE/MILLING MACHINE "MULTITASK"

## DONE-IN-ONE

The "Mazak Integrex" machining centre, which went into operation in October 2018, enables both turning and milling work to be carried out according to the "done-in-one" principle with just one clamping. For series between 50 and 1,000 pieces, it is the ideal system for demanding components with the tightest form and position tolerances.

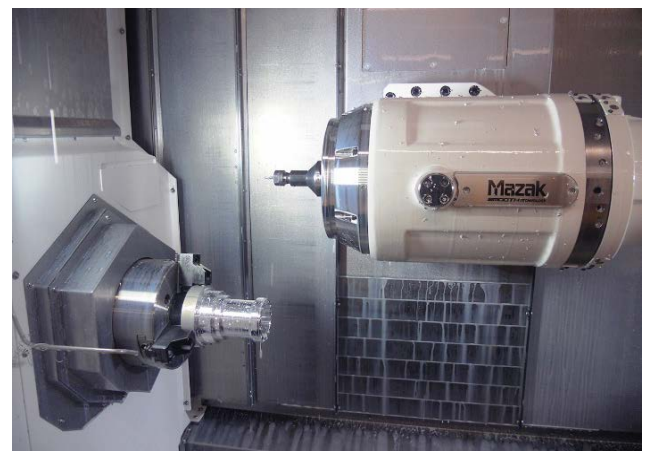


## CHARACTERISTICS

|                    |                         |
|--------------------|-------------------------|
| Designation        | Mazak Integrex i-200 ST |
| Controlled axes    | 9 axes                  |
| Workpiece diameter | Max. Ø 240 mm           |
| Workpiece length   | Max. length 1000 mm     |

## DIMENSIONS WORKPIECES

|                          |  |
|--------------------------|--|
| Workpiece diameter:      | 4 to 65 mm from 3 m rod<br>65 to 240 mm from gantry loader |
| Length of the workpiece: | from 10 to 1000 mm   |



Machine room with milling spindle



Mazak Integrex i-200 ST



Machine room with turning and milling spindle



## AUTOMATION

The Mazak is equipped with a modern 3 m bar feeder for bar diameters up to 65 mm. The bars are automatically fed into the machine from the multi-channel loading magazine via guide channels.

It is also possible to load and unload the material automatically via a portal loading system, which guarantees several hours of unmanned operation. The gantry loader can load and unload a workpiece weighing up to 12 kg.



Bar feeders up to 65 mm diameter

## AUXILIARY EQUIPMENT

- Axes C1 and C2 are programmable.
- The tool chain can hold 110 tools and the turning turret is equipped with 9 tool places.
- The integrated measuring and correction system ensures constant production quality.
- The industry standard 4.0 enables us to monitor the machine online via IoT and to continue production unmanned over the weekend.



Parts magazine for gantry loader

## TECHNICAL DATA

|                             |              |
|-----------------------------|--------------|
| Controlled axes             | total 9 axes |
| Traverse path Y-axis        | +/- 130 mm   |
| Traverse path B-axis        | +/- 120 mm   |
| Milling spindle performance | 18,000 rpm   |

## FEATURES

The Mazak is the ideal machine for complex workpieces with turning and milling operations on inclined planes or with inclined bores. Thanks to the integrated measuring and correction system, the process reliability of this machine is so high that it can continue to run fully automatically and unmanned, for example over the weekend. This naturally leads to very low manufacturing costs, although the relatively high set-up costs for this machining centre compared to other machines are calculated separately.

