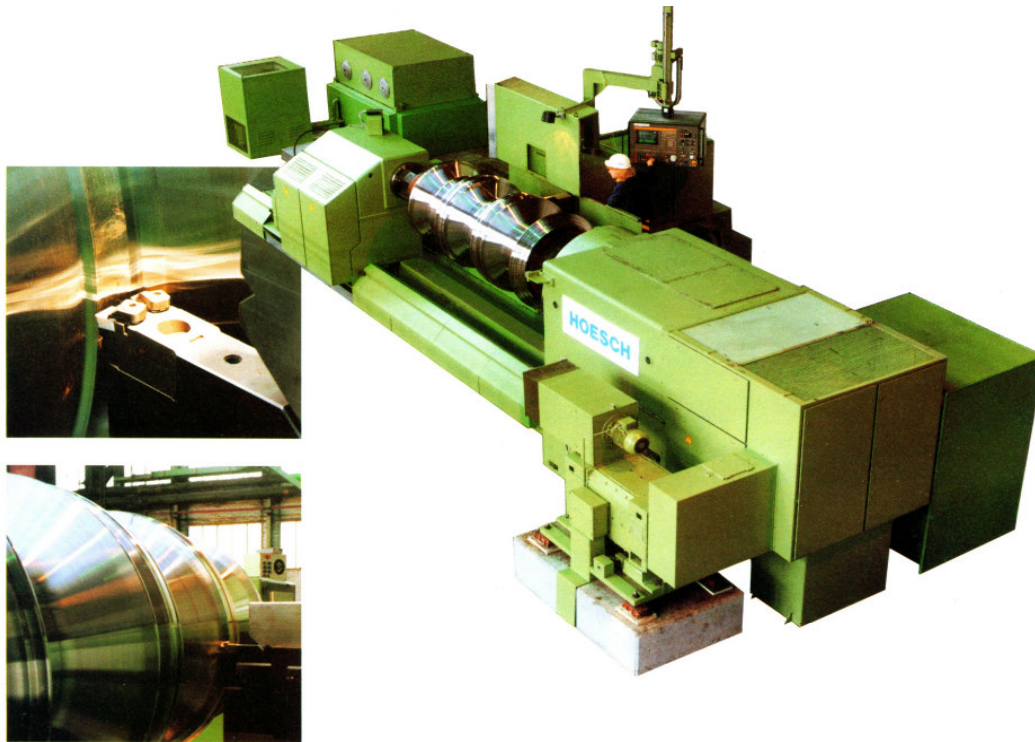


# Roughing- and finishing lathe D 1660 YSW-1

with numerical path control

hydrostatic saddle sliding guide ways

hydrostatic worm for the longitudinal transport of the saddle



## Field of application of the MAT (Hoesch MFD) roughing- and finishing lathes

The machines of this series are used for roughing and finishing plain rolls and pass rolls as well as similar workpieces requiring highest accuracy and high cutting forces (roughing).

Due to the continuous development of the components with regard to a larger- scaled and more automated application, this machine series is setting standards.

In combination with CNC- controls, the MAT roughing- and finishing lathes guarantee highest grade of economy, availability and accuracy when roughing and finishing.

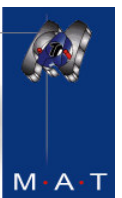
## Special design features of the MAT (Hoesch MFD) roughing- and finishing lathes

- ◇ load conform and stable machine construction
- ◇ high reserves of main cutting force and feed force for roughing operations
- ◇ hydrostatic saddle sliding guide ways, i.e. wear- resistant guides in longitudinal and transverse direction
- ◇ hydrostatic worm for the longitudinal and transverse direction
- ◇ thermo- stable headstock design
- ◇ automatic supervision of the machine

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# Execution example of a Hoesch MFD Roughing- and finishing lathe D 1660 YSW-1

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**Machine no. 6140**

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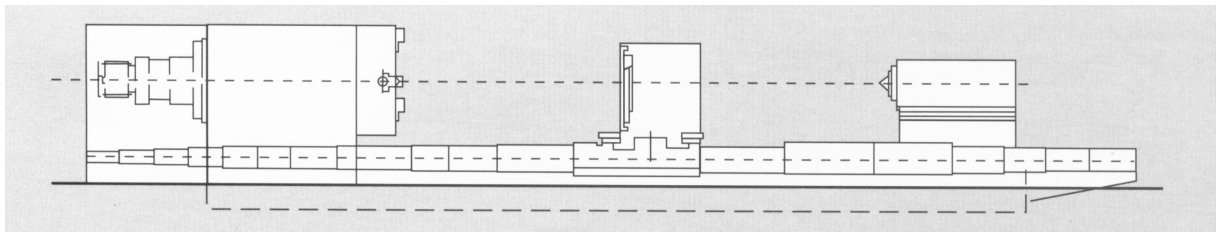
## Technical main data

Max. turning diameter .....	1.600	mm
Centre distance .....	6.000	mm
Max. weight of workpiece .....	40.000	kg
Main drive capacity .....	185	kW

## Special accessories

- ◇ steadies
  - ◇ boring and milling unit
  - ◇ grinding units
  - ◇ cutting force compensators
  - ◇ dust exhaustion
  - ◇ tool measuring device
- 
- 

***The flexible concept of this machine type allows for an individual determination of accessories and dimensions.  
Standard series from 800 mm up to 1.600 mm diameter***



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