

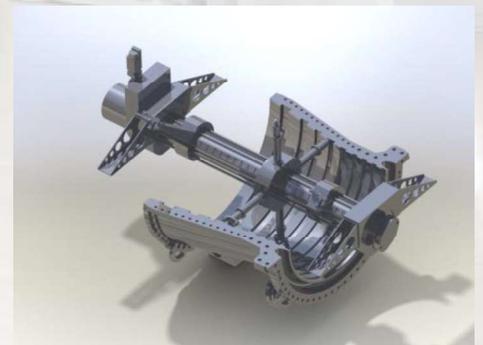
# TURNINGATOR

## A GREAT **WE** SOLUTION MORE THAN A SIMPLE BORING BAR!

State of the art high precise CNC-technology  
with a winning performance



Wysshus offers an innovative solution to quickly  
achieve targeted efficiency in power plants and  
offers significant benefits as shorter turbine  
downtimes and to avoid transport costs.



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# TURNINGATOR

## TECHNICAL SPECIFICATIONS

### DRIVE AND CONTROL

Control: Siemens 840 D  
Drive system: applied torque 2500 - 15'000 Nm  
Power: T2000 – 28 kW / T4000 – 63 kW  
Frequency 50 Hz / 60 Hz  
Ramp-up time: 0-70 [1/min] in 2.5 sec

### PRECISION

ISO H7 can be maintained  
Positions are fed back to the controller via the rotary encoder  
Exact positions do through glass ruler positioning.  
Direct measuring system based on a linear guide  
Machine accuracy according to VDI / DGQ 3441

### PROCESSING

Cutting speed 350 m/min (13'780in/min)  
Surface roughness: Ra 0.8 - Ra 0.4  
Cutting depth: 4mm – cast  
3mm - steel  
Chip volume in liters per hour: 25 [dm<sup>3</sup>/h] (5.5gal/h)

### WEIGHT

Weight of individual models  
Turningator 2000: approx. 3000 kg  
Turningator 4000: approx. 6000 kg  
Turningator 6000: approx. 8000 kg

All technical specifications are depending on several factors such as tool, material, depth of cut, stability, environmental und conditions.

## APPLICATION DIMENSIONS

### TURNINGATOR 2000

Machining  
Diameter: 600 mm - 2'400 mm (23" – 95")  
Length: 1'000 mm - 6'000 mm (39" – 236")  
Speed: 70 rpm  
Drive shaft: Ø 200 mm (8")  
Torque: 2'500 Nm

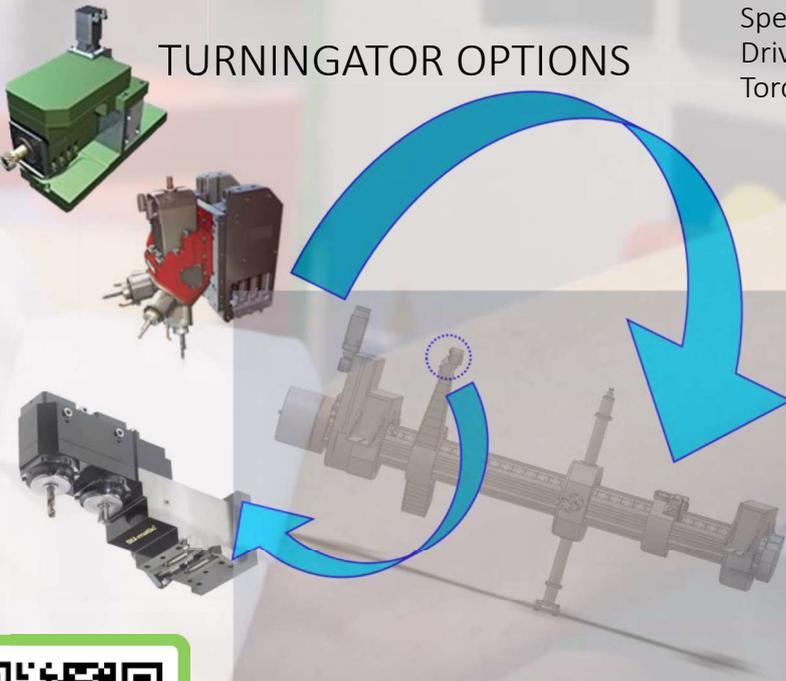
### TURNINGATOR 4000

Machining  
Diameter: 1'400 mm - 5'200 mm (55" – 205")  
Length: 2'000 mm - 8'000 mm (79" – 315")  
Speed: 30 rpm  
Drive shaft: Ø 600 mm (24")  
Torque: 7'500 Nm

### TURNINGATOR 6000

Machining  
Diameter: 2'000 mm - 8'000 mm (79" – 315")  
Length: 3'000 mm - 10'000 mm (118" - 394")  
Speed: 20 rpm  
Drive shaft: Ø 700 mm (28")  
Torque: 15'000 Nm

## TURNINGATOR OPTIONS



The TURNINGATOR is a powerful and high efficient mobile CNC processing center. Thanks to the latest Siemens CNC technology the TURNINGATOR will be brought quickly and simply operational. Operator friendly- and safety orientated design will help to fulfil your requirements. Thanks to the high revolution machining most advanced machining tools can be applied. Wherever your application is located – the TURNINGATOR will find his way safely loaded in a conventional overseas container by truck, ship, train or even air.

**The TURNINGATOR is an perfect solution to massively reduce downtime and costs.**

Turningator is a trademark of Wysshus Engineering [www.wysshus.com](http://www.wysshus.com)



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