Presentation of companies
TOS KUŘIM – OS, a.s.,
ČKD BLANSKO-OS, a.s.

TOS KUŘIM
ALTA GROUP

ČKD BLANSKO-OS
ALTA GROUP

Presentation content

1 Basic data

2 Production program

3 Core industry areas

4 Contacts

TOS KUŘIM ALTA GROUP

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TOS KUŘIM – basic data

- established in 1942
- focused on middle size milling machines since 1990
- since 1991 certificated by ISO 9001
- since 2005 member of ALTA GROUP
- focused on heavy duty milling machines since 2007
- more than 83 000 machine tools, 60 automatic machining transfer lines and 3 500 single purpose machines
- new assambly area since 2011 (area 2,600 m^2, lifting capacity 100 and 50 t)
- research, development, design, manufacturing and operation

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ČKD BLANSKO – basic data

- production of vertical turning lathes since 1951
- since 2010 member of ALTA GROUP
- in 12/2011 moving of the company to the area of TOS KUŘIM
- in 3/2013 TOS KUŘIM became the exclusive sales agent of ČKD BLANSKO
- more than 730 carousels in more than 30 countries worldwide
- research, development, design, manufacturing and operation provided by TOS KUŘIM

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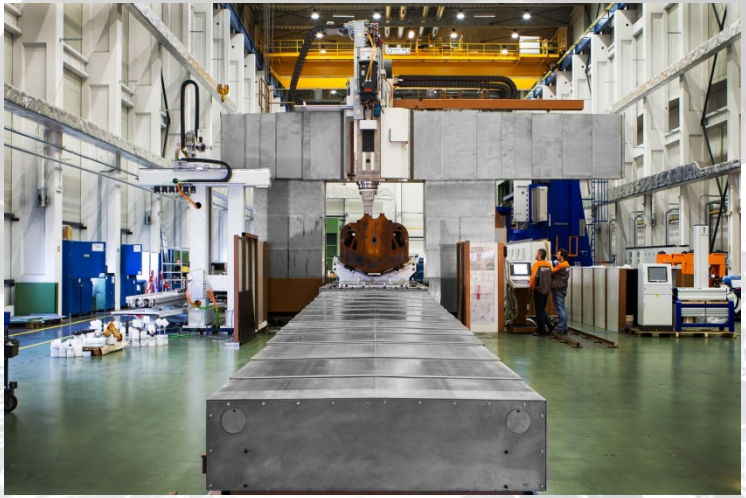
TOS KUŘIM – gantry type machining centres

Movable gantry & movable / fixed cross rail

Movable table & movable cross rail



Movable table & fixed cross rail

Technical parameters

Working travel
X = 3 000 - 23 000 mm
Y = 2 800 – 10 750 mm
Z = 1 500 – 4 000 mm

Column to column distance
2 550 – 9 100 mm

Motor output
30 / 37 / 45 / 60 / 71 / 100 / 113 kW

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TOS KUŘIM – multipurpose machining centre

Technical parameters

- combination of a portal-type machining centre and a vertical lathe
- wide range of milling, turning and grindung operations
- all operations can be performed on a single machine

CNC tables with VTL ability
Max. load capacity: 15 – 70 t
Max. speed: 120 – 80 rpm
Max. workpiece diameter: 2 250 – 4 500 mm

CNC VTL tables
Max. load capacity: 60 – 100 t
Max. speed: 80 – 50 rpm
Max. workpiece diameter: 5 500 – 7 500 mm

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TOS KUŘIM – floor type machining centres

Duo configuration

Gear cutting by milling technology
(recommended for gear diameter 4 – 10 m)

Automatic interchangeable milling heads

Technical parameters

Working travel
X = 2 000 - 24 000 mm
Y = 1 250 – 1 500 mm
Z = 1 400 – 3 500 mm

Motor output
28 / 30 / 37 / 45 / 60 / 71 kW

Tailor made solution according to customer's request

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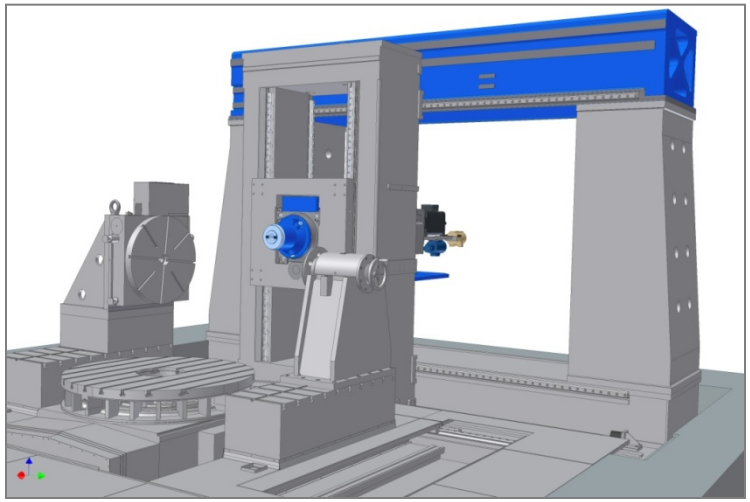
TOS KUŘIM – ram style horizontal machining centre



Technical parameters

Working travel
X = 2 600 mm, Y = 825 mm, Z = 1 650 mm

W (rotary table): 1 250 mm

Acceleration: 3 m/sec²

Motor output: 37 kW

Benefits

- High performance
- Water cooled longitudinal X - axes ball screws and main motor
- Thermal stabilization of three-step gearbox and spindle drive chain at milling heads
- Interchangeable milling heads for special customer's technological applications
- Closed working area
- Movements in coordinate axes are performed in three linear axis, two rotary axes on the milling head and one linear and one rotary axis of the rotary table

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ČKD BLANSKO – double column vertical lathe

Technical parameters

Turning table diameter
4 000 – 8 000 mm

Max. turning diameter
4 700 – 10 000 mm

Max. turning height
2 500 – 5 000 / 6 000 mm

Cross rail stroke
1 800 – 4 000 mm

Max. workpiece weight
60 – 150 / 320 t

Max. turning table speed
80 – 35 / 25 rpm

Ram cross section
340 x 340 – 400 x 400 mm

Ram stroke - vertical
2 000 – 3 200 mm

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ČKD BLANSKO – gantry type vertical lathe

Technical parameters

Y axis
3 000 – 6 000 mm

Turning table diameter
4 000 – 8 000 mm

Max. turning diameter
5 000 – 10 000 mm

Max. turning height
2 500 – 5 000 / 6 000 mm

Cross rail stroke
1 800 – 4 000 mm

Max. workpiece weight
60 – 150 / 320 t

Max. turning table speed
80 – 35 / 25 rpm

Ram cross section
340 x 340 – 400 x 400 mm

Ram stroke - vertical
2 000 – 3 200 mm

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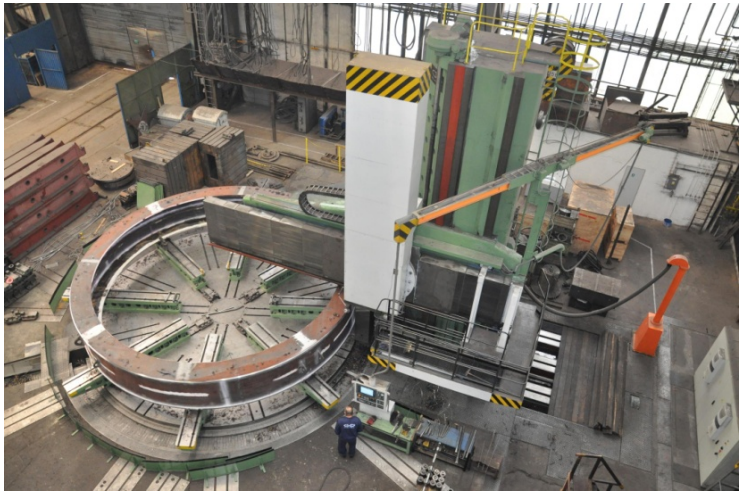
ČKD BLANSKO – single column vertical lathe



Technical parameters

Turning table diameter
8 000 mm

Max. turning diameter
16 000 mm

Max. turning height
6 300 mm

Cross rail stroke
5 000 mm

Max. workpiece weight
320 t

Max. turning table speed
25 rpm

Ram cross section
450 x 450 mm

Ram stroke - vertical
3 200 mm

customized solution on request

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TOS KUŘIM - core industry areas

- Power industry
- Railway industry
- Aircraft industry
- Components for construction and mining machinery
- General engineering

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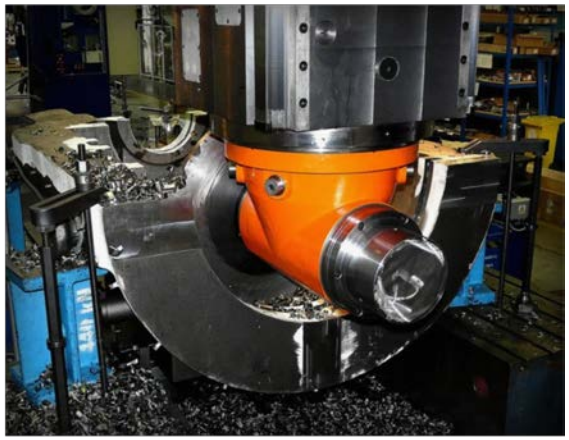
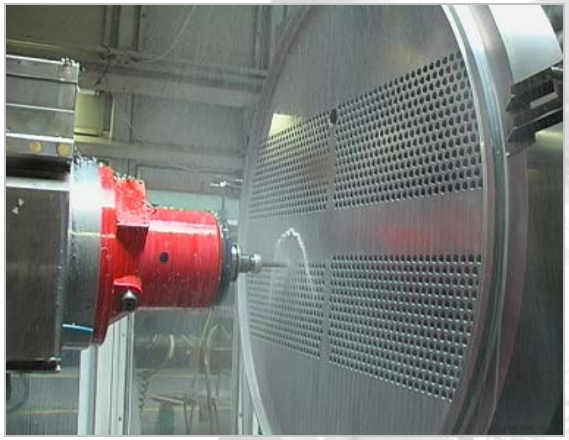
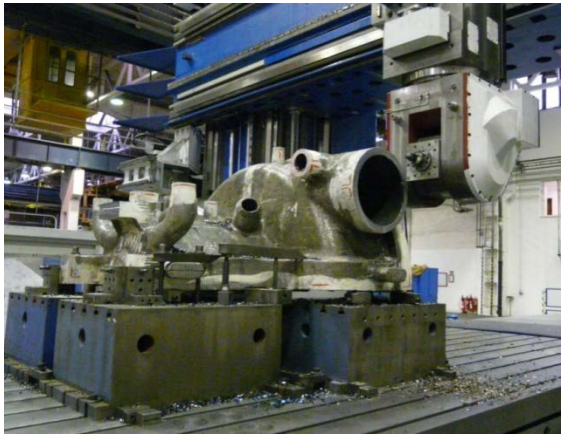
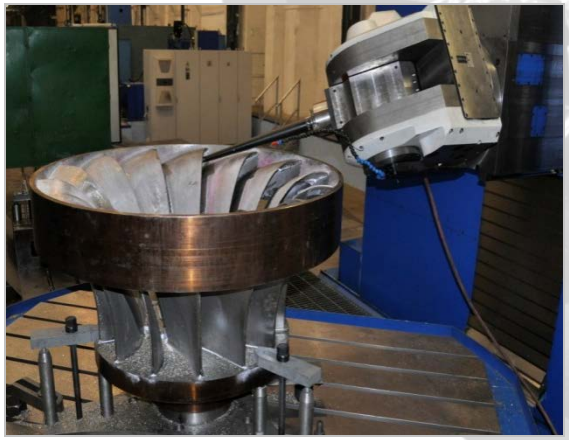
Power industry









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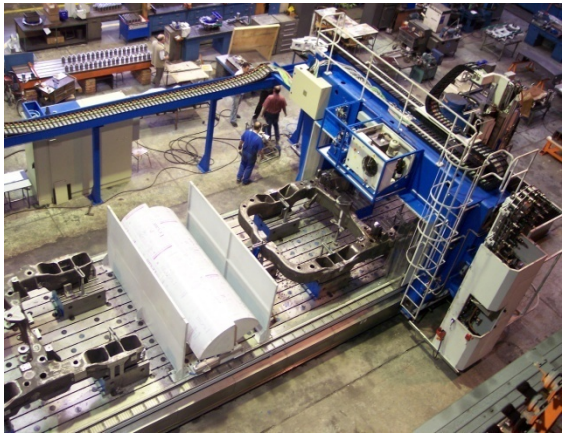
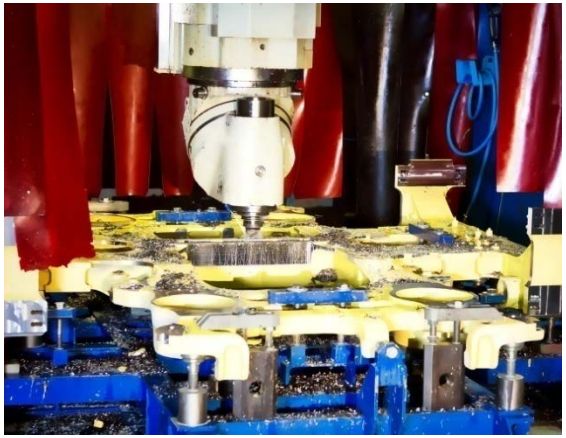
Railway industry





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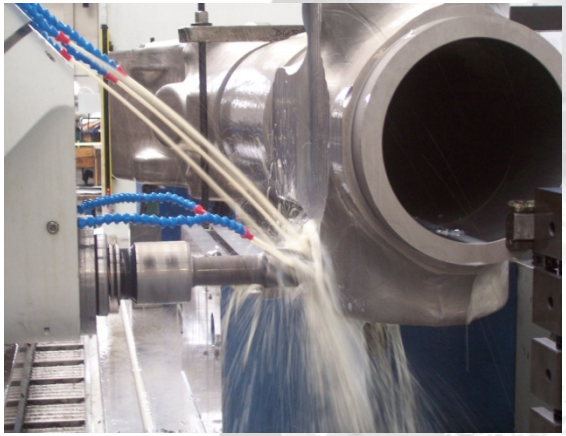
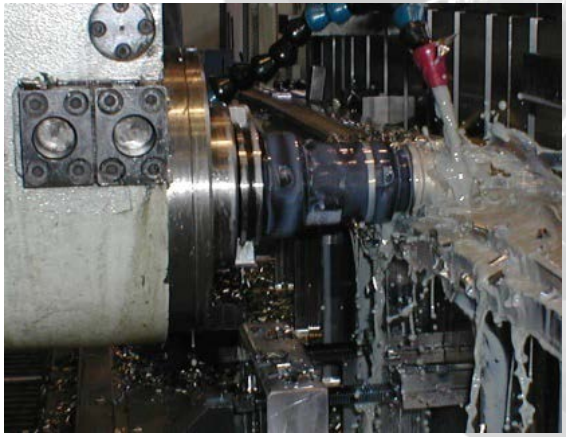
Aircraft industry





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Components for construction and mining machinery

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General engineering

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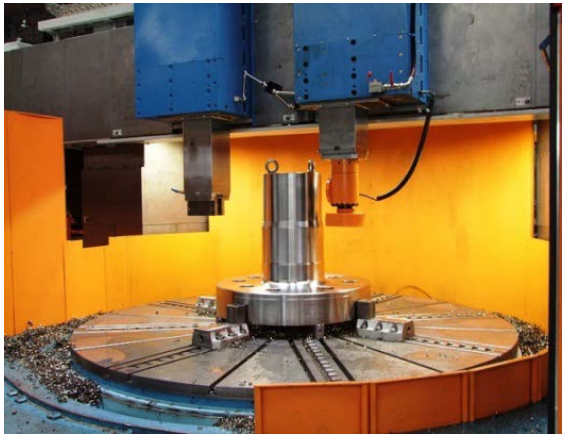
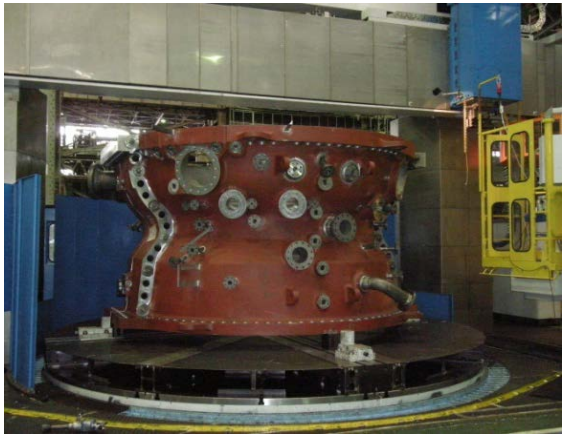
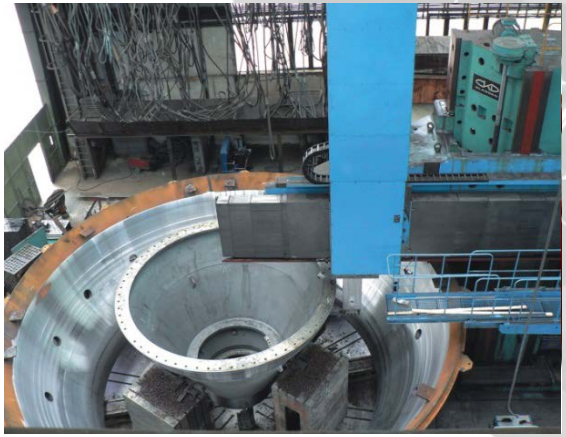
ČKD BLANSKO – core industries

power industry & components for construction and mining machinery



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Contact

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