

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



TOS KUŘIM

ALTA GROUP



ČKD BLANSKO-OS

ALTA GROUP



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TOS KUŘIM – basic data



- ❑ established in 1942

- ❑ research, development, design, manufacturing and operation

- ❑ 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 m², lifting capacity 100 and 50 t)

ČKD BLANSKO – basic data



❑ production of vertical turning lathes since 1951

❑ more than 730 carousels in more than 30 countries worldwide

❑ since 2010 member of ALTA GROUP



❑ in 12/2011 moving of the company to the area of TOS KUŘIM

❑ in 2012 production and assembly moved to the new assembly area in TOS KUŘIM

❑ in 3/2013 TOS KUŘIM became the exclusive sales agent of ČKD BLANSKO

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 = 1 100 / 1 250 / 1 500 (2 000) mm

Column to column distance

2 550 – 9 100 mm

Motor output

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

TOS KUŘIM – multipurpose machining centre



Technical parameters

- combination of a portal-type machining centre and a vertical lathe
- wide range of milling, turning and grinding 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

TOS KUŘIM – floor type machining centres



Duo configuration



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



Technical parameters

Working travel

X = 2 000 - 24 000 mm

Y = 1 250 – 1 500 mm

Z = 1 400 – 3 500 mm

Motor output

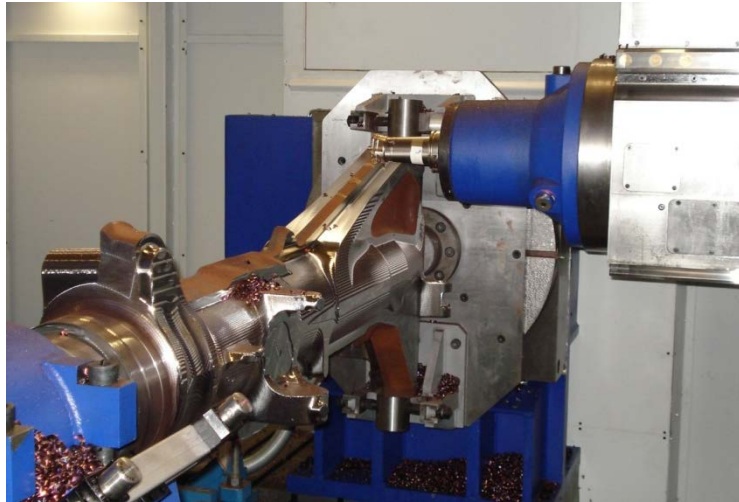
28 / 30 / 37 / 45 / 60 / 71 kW

Tailor made solution according to customer's request

Automatic interchangeable milling heads



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: 4 m/sec²

Motor output: 37 kW

Benefits

- High performance
- High acceleration of linear axes 4 m/s⁻²
- Water cooled longitudinal X - axes ball screws and main motor
- Thermal stabilization of three-step gearbox and spindle drive chain at spindle heads
- Interchangeable spindle 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

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

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

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

TOS KUŘIM - core industry areas



Power industry



Railway industry



Aircraft industry

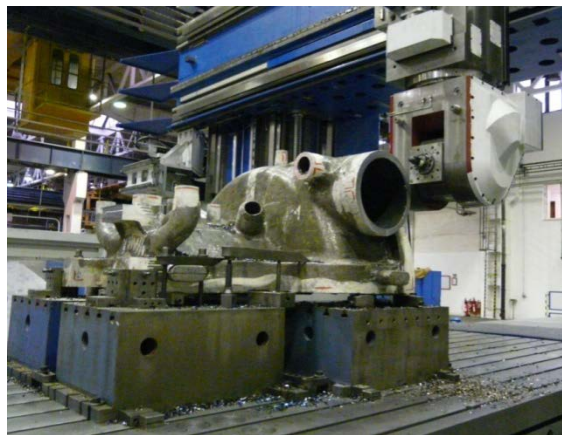
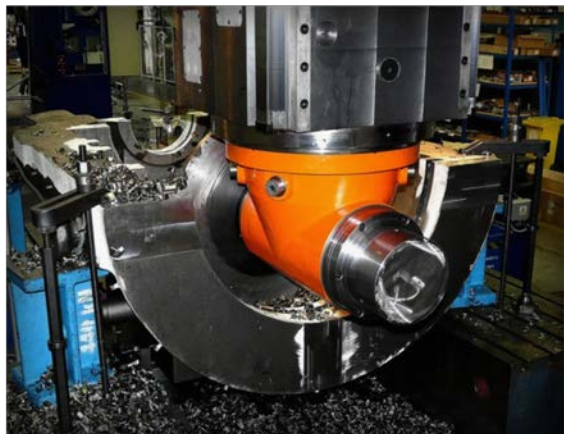


Components for construction and mining machinery

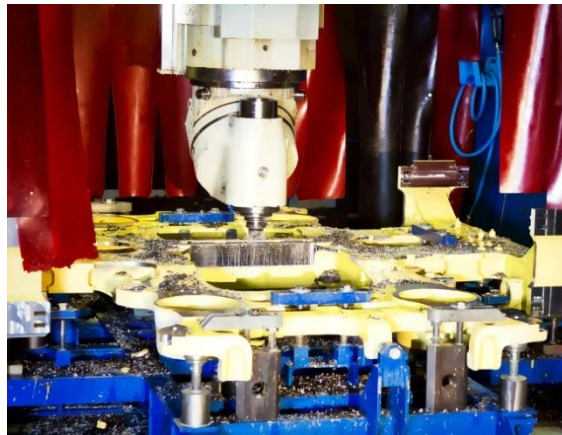
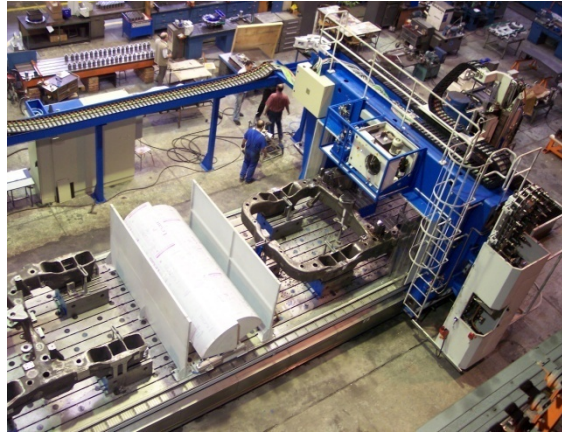


General engineering

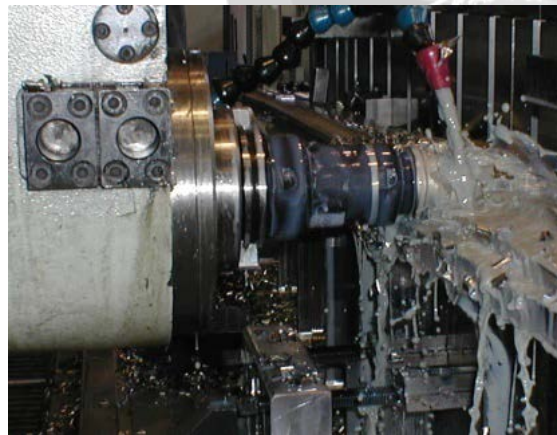
Power industry



Railway industry



Aircraft industry



Components for construction and mining machinery

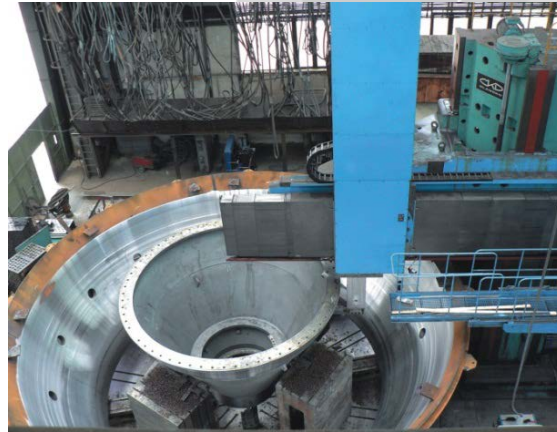
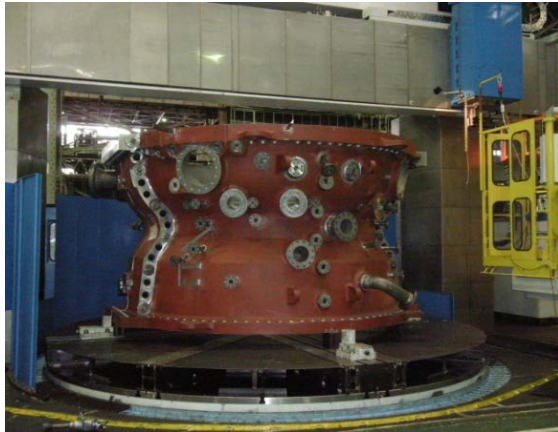
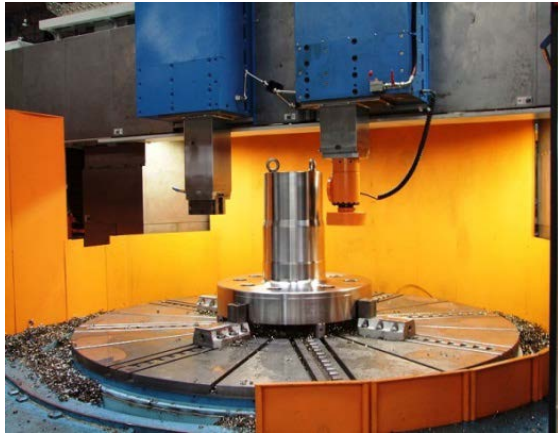


General engineering



ČKD BLANSKO – core industries

power industry & components for construction and mining machinery



Contact



Contacts

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