



EQUIPMENT CATALOGUE



«STAN» COMPANY

STAN Company is the managing company of seven leading Russian machine-tool builders:

- ▶ NPO Stankostroenie (Bashkortostan, Sterlitamak)
- ▶ Stankotech, JSC (Moscow region, Kolomna)
- ▶ Ryazan Machine Building Plant, LLC (Ryazan)
- ▶ Ivanovo Machine Building Plant, LLC (Ivanovo)
- ▶ Grinding machines, LLC (Moscow)
- ▶ Savelovo Machine Building Plant, LLC (Tver region, Kimry)
- ▶ Donpressmach, LLC (Rostov region, Azov)



We produce more than 50% of metal processing equipment in Russian Federation.

THE ACTIVITIES OF THE COMPANY

Development and manufacture of metal-processing equipment

Technological audit

Service during engineering upgrade of production facilities

Design and process preparation of production

Implementation of projects related to PLM solutions

Repair and upgrading of equipment

Training of experts and staff

OUR MISSION

Our mission is to create on the base of separate actives with different industrial potential an integral, competitive structure with high efficiency – to become a leader of Russian machine builders industry.



MILLING EQUIPMENT

Machining centers



Vertical machining center CTЦ Φ45 (S450)

- ▶ Size of the table, 900×400 mm
- ▶ Movements along axes X/Y/Z, 600×450×450 mm
- ▶ Overall dimensions (width×length×height), 3,650×2,200×2,830 mm
- ▶ Mass of the machine, 4,400 kg



Vertical machining center CTЦ Φ55 (500V)

- ▶ Size of the table, 1,200×630 mm
- ▶ Movements along axes X/Y/Z, 1,100×500×450 mm
- ▶ Overall dimensions (width×length×height), 3,230×2,360×3,000 mm
- ▶ Mass of the machine, 7,000 kg



Vertical machining center CTЦ Φ60 (600V), CTЦ Φ70 (700V), CTЦ Φ80 (800V)

- ▶ Size of the table, 1,200×600/1,400×700/1,600×800 mm
- ▶ Movements along axes X/Y/Z, 1,250×600×800/1,400×700×1,000/1,400×800×1,000 mm
- ▶ Total electric drive power, 41,8 kWt
- ▶ Mass of the machine, 12,000 kg



Vertical machining center CTЦ Φ55 L (500V/2)

- ▶ Size of the table, 2,500 or 2×(630×12,000)mm
- ▶ Movements along axes X/Y/Z, 2,500×500×450 mm
- ▶ Overall dimensions (width×length×height), 2,400×4,250×3,000 mm
- ▶ Mass of the machine, 12,000 kg



Vertical machining center CTЦ Φ55 XL (500V-5000)

- ▶ Turning table diameter, 700 mm
- ▶ Movements along axes X/Y/Z, 5,000×450×450 mm
- ▶ Overall dimensions (width×length×height), 3,300×7,600×2,900 mm
- ▶ Mass of the machine, 15,000 kg

Vertical milling machine CTΦ 50 TC эko (MA-655HK) CNC

- ▶ Size of the table, 1,070×500 mm
- ▶ Movements along axes X/Y/Z, 1,000×500×630 mm
- ▶ Overall dimensions (width×length×height), 3,490×3,950×3,650 mm
- ▶ Mass of the machine, 10,000 kg



Vertical milling machine CTΦ 32 (6M13HK)

- ▶ Size of the table, 1,480×290 mm
- ▶ Movements along axes X/Y/Z, 1,000×320×120 mm
- ▶ Overall dimensions (width×length×height), 2,885×3,030×3,000 mm
- ▶ Mass of the machine, 5,000 kg



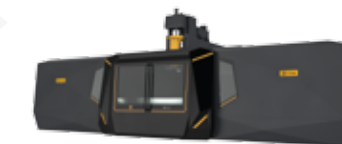
Vertical milling machine CTΦ 70 эko (ФП-17)

- ▶ Size of the table, 1,600×500 mm
- ▶ Movements along axes X/Y/Z, 1,600×700×310 mm
- ▶ Overall dimensions (width×length×height), 4,565×5,190×3,895 mm
- ▶ Mass of the machine, 18,000 kg



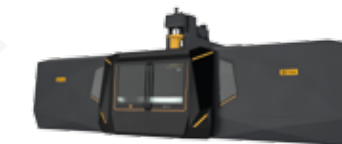
Vertical milling machine CTЦ Φ95 K (ФП-27)

- ▶ Size of the table, 2,000×800 mm
- ▶ Movements along axes X/Y/Z, 2000×950×500 mm
- ▶ Overall dimensions (width×length×height), 5,480×9,000×3,770 mm
- ▶ Mass of the machine, 22,400 kg



Vertical milling machine CTЦ 60 TH (ФП-37)

- ▶ Size of the table, 3,000×1,000 mm
- ▶ Movements along axes X/Y/Z, 3,000×1,000×600 mm
- ▶ Overall dimensions (width×length×height), 5,480×9,000×3,770 mm
- ▶ Mass of the machine, 30,000 kg



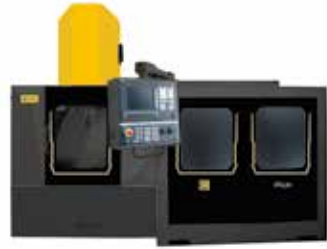
Vertical milling machine CTЦ Φ66 L (ФП-7)

- ▶ Size of the table, 3,000×500 mm
- ▶ Movements along axes X/Y/Z, 3,000×660×490 mm
- ▶ Overall dimensions (width×length×height), 4,800×8,800×3,650 mm
- ▶ Mass of the machine, 19,000 kg



MILLING EQUIPMENT

Five-axis machining centers



Five-axis machining center CTЦ 25 (S250)

- ▶ Diameter of the table, 250 mm
- ▶ Movements along axes X/Y/Z, 635×280×390 mm
- ▶ Angle of rotation of the table along A axis, 180 (+90/-90)°
- ▶ Overall dimensions (width×length×height), 1,750×3,000×1,800 mm
- ▶ Mass of the machine, 1,800 kg



Five-axis machining center CTЦ 50 (S500)

- ▶ Diameter of the table, 500 mm
- ▶ Movements along the axes X/Y/Z, 600×550×550 mm
- ▶ Angle of rotation of the table along A axis, 180 (+90/-90)°
- ▶ Overall dimensions (width×length×height), 2,980×3,600×2,900 mm
- ▶ Mass of the machine, 7,500 kg



Five-axis machining center CTЦ 50+ (S500U)

- ▶ Diameter of the table, 500 mm
- ▶ Movements along axes X/Y/Z, 1,100×500×450 mm
- ▶ Angle of rotation of the table along A axis, 180 (+90/-90)°
- ▶ Overall dimensions (width×length×height), 3,230×2,760×3,000 mm
- ▶ Mass of the machine, 9,000 kg



Five-axis machining center CTЦ 50-55 (500VS)

- ▶ Diameter of the table, 500 (630) mm
- ▶ Movements along axes X/Y/Z, 650×500×600 mm
- ▶ Angle of rotation of the table along A axis, 180 (+90/-90)°
- ▶ Overall dimensions (width×length×height), 3,530×2,880×3,200 mm
- ▶ Mass of the machine, 10,500 kg



Five-axis machining center CTЦ 63-90 AT (950H5)

- ▶ Diameter of the table, 1,000 mm
- ▶ Movements along axes X/Y/Z, 900×900×900 mm
- ▶ Angle of rotation of the table along A axis, 180 (+90/-90)°
- ▶ Overall dimensions (width×length×height), 4,800×2,900×3,000 mm
- ▶ Mass of the machine, 12,500 kg

Five-axis machining center, module construction CTЦ П63 (VMB 630), CTЦ П80 (VMB 800)

- ▶ Diameter of the table, 630/800 mm
- ▶ Movements along axes X/Y/Z, 1,000×1,000×800 mm
- ▶ Angle of rotation of the table, +120/-120°
- ▶ Overall dimensions (width×length×height), 3,050×3,327×3,982 mm



Five-axis machining center, module construction CTЦ П125 (VMB 1250)

- ▶ Diameter of the table, 1,250 mm
- ▶ Movements along axes X/Y/Z, 1,400×1,400×900 mm
- ▶ Angle of rotation of the table, +120/-120°
- ▶ Overall dimensions (width×length×height), 3,450×3,727×4,382 mm



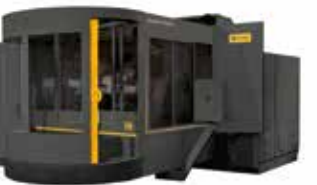
Five-axis machining center CTЦ 40B (1000VBF)

- ▶ Size of the table, 1,500×450 mm
- ▶ Movement along X axis (with the vertical spindle position)/(with the spindle carrier turned by ±45°)
- ▶ 1,000/740 mm; along Y axis 400 mm; along Z axis 400 mm
- ▶ Angle of rotation of the spindle carrier (B axis), ±45°
- ▶ Overall dimensions (width×length×height), 3,150×3,080×2,900 mm
- ▶ Mass of the machine, 9,300 kg



Super Center IS800-GLOBUS high-speed five-axis horizontal machining center

- ▶ Size of the table, 800×800 mm
- ▶ Movements along axes X/Y/Z, 1,200×1,000×1,100 mm
- ▶ Angle of rotation of the table along A axis, +20 ... -130°
- ▶ Maximum spindle speed, 6,000 min⁻¹
- ▶ Maximum speed of the motor-spindle, 8,000 ... 12,000 min⁻¹
- ▶ Mass of the machine, 22,000 kg



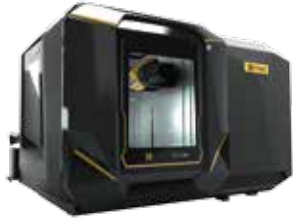
Five-axis machining center with turning machining CTЦ80AT (800VHT)

- ▶ Size of the table, max. 1,000 mm
- ▶ Movements along axes X/Y/Z, 900×900×900 mm
- ▶ Overall dimensions (width×length×height), 3,000×5,200×3,900 mm
- ▶ Mass of the machine, 15,000 kg



MILLING EQUIPMENT

Heavy-duty machining centers



Five-axis machining center with turning machining CTQ160AT (2000VHT)

- ▶ Diameter of the table, 1,250 ... 2,000 mm
- ▶ Movements along axes X/Y/Z, 1,300×1,400×1,100; 1,800×2,100×1,250 mm
- ▶ Overall dimensions (width×length×height), 3,260×5,450×3,550; 4,500×6,500×4,150 mm
- ▶ Mass of the machine, 21,000 kg



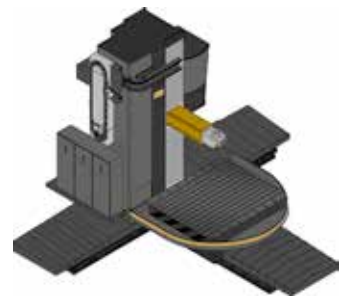
Heavy-duty horizontal machining center CTQ P160 (IR1400PMF4)

- ▶ Size of the table, 1,600×2,000 ... 2,000×3,000 mm
- ▶ Diameter of the spindle borer, 130 ... 160 mm
- ▶ Movements along axes X/Y/Z/W, 2,000 ... 4,000×1,600 ... 3,200×1,000×1,600 ... 2,000 mm
- ▶ Maximum cutter-spindle torque, 5,000 ... 6,000 Nm
- ▶ Mass of the machine, 53,000 kg



Heavy-duty horizontal machining center CTQ P160+ (IR1600PMF4)

- ▶ Size of the table, 1,600×2,000 ... 2,000×3,000 mm
- ▶ Diameter of the spindle borer, 160 mm
- ▶ Movements along axes X/Y/Z/W, 3,200 ... 8,000 (and higher without restrictions)×2,500 ... 3,200×1,000×1,250 mm
- ▶ Maximum cutter-spindle torque, 6,000 Nm
- ▶ Mass of the machine, 69,700 kg



Heavy-duty five-axis controllable machine CTQ ΦP500 (ISK5000)

- ▶ Size of the table, 1,600×2,000...2,900×3,500 mm
- ▶ Diameter of the spindle borer, 130...200 mm
- ▶ Movements along axes X/Y/Z/W, 4,000...33,000×2,000...6,000×700...1,000×1,120...1,500 mm
- ▶ Maximum spindle-borer torque, 2,000-3,500 Nm



Five-axis bed-type millers CTQ Φ160+ (SK6PM-CNC)

- ▶ Max. movements along axes X/Y/Z, 4,000 ... 40,000 (+6,000)×1,600 ... 5,000 (+500)×1,250 ... 1,550×800 (+500) mm



Five-axis bed-type millers CTQ Φ250+ (SK6PM-CNC)

- ▶ Max. movements along axes X/Y/Z, 3,000×2,500×1,200 mm
- ▶ Angle of rotation of the head along C axis, 370 (±185)°
- ▶ Angle of rotation of the head along A axis, 200 (±100)°

Bed-type millers CTQ Φ160 (ΦП-93)

- ▶ Size of the table, 6,900×1,600 mm
- ▶ Movements along axes X/Y/Z, 7,000×1,800×500 mm
- ▶ Overall dimensions (width×length×height), 6,165×17,800×5,500 mm
- ▶ Mass of the machine, 78,700 kg



Bed-type millers CTQ 160 THL (ΦП-95)

- ▶ Size of the table, 6,900×1,600 mm
- ▶ Movements along axes X/Y/Z, 7,000×1,800×800 mm
- ▶ Overall dimensions (width×length×height), 6,165×17,800×5,500 mm
- ▶ Mass of the machine, 78,000 kg



Bed-type millers CTQ 250 THL (BΦ-5)

- ▶ Size of the table, 7,000×2,500 mm
- ▶ Movements along axes X/Y/Z, 7,200×2,500×600 mm
- ▶ Overall dimensions (width×length×height), 7,200×19,000×5,750 mm
- ▶ Mass of the machine, 105,000 kg



MILLING EQUIPMENT

Horizontal machining centers

Horizontal machining center CTQ Φ50x2 HKP (ISB599PMF4)

- ▶ Size of the table (2 pallet tables), 500×500 mm
- ▶ Movements along axes X/Y/Z, 1,000×630×750 mm
- ▶ Maximum spindle speed, 4,500, 6,000 (ZF gear set) 8,000 ... 16,000 (motor-spindle) min⁻¹
- ▶ Maximum spindle torque, 900 Nm
- ▶ Mass of the machine, 14,000 kg



Horizontal machining center CTQ Φ63x2 HP (IS630 Super Center)

- ▶ Size of the table (2 pallet tables), 630×630 mm
- ▶ Movements along axes X/Y/Z, 800×710×630 mm
- ▶ Maximum spindle speed, 6,000 min⁻¹
- ▶ Maximum speed of the motor-spindle, 8,000 ... 24,000 min⁻¹
- ▶ Mass of the machine, 10,000 kg





Milling machining center CTЦ 50-70H (6500H)

- ▶ Size of the table, 630...1,000 mm
- ▶ Movements along axes X/Y/Z, 900×900×900 mm
- ▶ Overall dimensions (width×length×height), 4,800×2,900×3,000 mm
- ▶ Mass of the machine, 12,000 kg



Milling machining center CTЦ Ф80x2 HP (IS80 Super Center)

- ▶ Size of the table (2 pallet tables), 800×800 mm
- ▶ Movements along axes X/Y/Z, 1,200×1,000×1,200 mm
- ▶ Max. spindle speed, 6,000 min⁻¹
- ▶ Max. speed of the motor-spindle, 8,000 ... 24,000 min⁻¹
- ▶ Mass of the machine, 22,000 kg



Horizontal machining center CTЦ ФX80x2 HKP (ISB800PMF4)

- ▶ Size of the table (2 pallet tables), 800×800 mm
- ▶ Movements along axes X/Y/Z, 1,000×1,000×750 mm
- ▶ Max. spindle speed, 4,500, 6,000 (ZF gear set), 8,000... 16,000 (motor-spindle) min⁻¹
- ▶ Max spindle torque, 900 Nm
- ▶ Mass of the machine, 17,000 kg



Horizontal machining center CTЦ P120 P (ISB1200-2)

- ▶ Size of the table (2 pallet tables), 1,200×1,200 mm
- ▶ Movements along axes X/Y/Z/W, 3,000×1,400×710×1,380 mm
- ▶ Max spindle speed, 2,250 ... 3,000 min⁻¹
- ▶ Max spindle torque, 1,700 Nm
- ▶ Mass of the machine, 21,000 kg



Milling machining center CTЦ P120 M (IS1250PMF4)

- ▶ Size of the table (2 pallet tables), 1,600×1,800 mm
- ▶ Movements along axes X/Y/Z/W, 2,000×1,220×710×1,380 mm
- ▶ Max. spindle speed, 3,000 min⁻¹
- ▶ Max. spindle torque, 1,700 Nm
- ▶ Mass of the machine, 20,000 kg

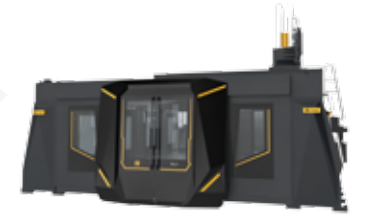


Milling machining center CTЦ P125 A (ISA1250PMF4)

- ▶ Size of the table, 1,400×1,600 mm
- ▶ Angle of rotation of the spindle carrier (45° angle) ±100/±180
- ▶ Movements along axes X/Y/Z, 1,600×1,600×710×1,380 mm
- ▶ Max. spindle speed, 3,000 min⁻¹
- ▶ Max. Motor-spindle, 8,000...12,000 min⁻¹
- ▶ Mass of the machine, 22,000 kg

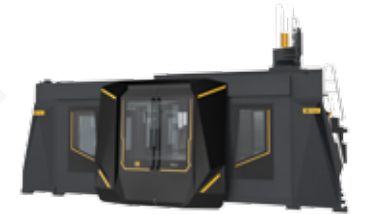
Five-axis milling center ФЦ-1

- ▶ Movements along axes X/Y/Z, 2,500×1,500×800 mm
- ▶ Pallet dimensions, 2,000×4,000 mm
- ▶ Overall dimensions (width×length×height), 6,400×7,800×3,600 mm



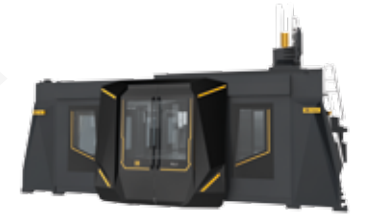
Five-axis milling center ФЦ-2

- ▶ Movements along axes X/Y/Z, 4,500×2,500×800 mm
- ▶ Pallet dimensions, 2,000×4,000 mm
- ▶ Overall dimensions (width×length×height), 7,200×10,400×4,600 mm



Five-axis milling center ФЦ-3

- ▶ Movements along axes X/Y/Z, 3,000×1,500×600 mm
- ▶ Pallet dimensions, 2,000×4,000 mm
- ▶ Overall dimensions (width×length×height), 6,400×7,800×3,600 mm
- ▶ Mass of the machine, 25,000 kg



MILLING EQUIPMENT

Horizontal milling machining centers

Milling machining center CTЦ Ф125 B (ISG1250PMF4)

- ▶ Size of the table, 1,400×1,600 mm
- ▶ Angle of rotation of the spindle carrier (45° angle) ±100/±180
- ▶ Movements along axes X/Y/Z, 1,600×1,600×1,380 mm
- ▶ Max. spindle speed, 3,000 min⁻¹
- ▶ Max. Motor-spindle, 8,000...12,000 min⁻¹
- ▶ Mass of the machine, 22,000 kg



Horizontal boring machining center CTЦ P637 TC (ISN2F637PMF4)

- ▶ Size of the table, 1,600×1,800 mm
- ▶ Boring spindle diameter, 150 mm
- ▶ Movements along axes X/Y/Z/W, 2,000×1,600×800×1,600 mm
- ▶ Max. spindle speed, 2,000...3,000 min⁻¹
- ▶ Max. Milling spindle torq, 3,925 Nm
- ▶ Mass of the machine, 36,350 kg



Horizontal boring machining center CTЦ P160 M (IS1400PMF4)

- ▶ Size of the table, 1,600×2,000...2,000×3,000 mm
- ▶ Boring spindle diameter, 130...150 mm
- ▶ Movements along axes X/Y/Z/W, max 6,000×3,500×1000×3,000 mm
- ▶ Max. Milling spindle torq, 2,050...6,000 Nm
- ▶ Mass of the machine, 25,000 kg



MILLING EQUIPMENT

Horizontal boring machines



Universal boring machine CTP 60 (IR600)

- ▶ Manual control or digital readout unit for X,Y,W axis
- ▶ Size of the table, 600×800 mm
- ▶ Movements along axes X/Y/Z/W, 600×600×400×730 mm
- ▶ Max. spindle torq, 3,000 Nm
- ▶ Mass of the machine, 4,000 kg



Horizontal boring machine CTP 125 (IR1250)

- ▶ Size of the table, 1,250×1,400 mm
- ▶ Movements along axes X/Y/Z/W, 1,600×1,220×710×1,000 mm
- ▶ Max. spindle torq, 1,700 Nm
- ▶ Max. spindle speed, 2,250 Nm
- ▶ Mass of the machine, 18,000 kg



Horizontal boring machine CTP 636 (IS2A636)

- ▶ Size of the table, 1,600×1,800 mm
- ▶ Diameter of the spindle borer, 125/160 mm
- ▶ Movements along axes X/Y/Z/W, 2,000×1,600×1,000×1,600 mm
- ▶ Max. spindle speed, 5 ... 2,000 min⁻¹
- ▶ Max. cutter-spindle torque, 5,200 Nm
- ▶ Mass of the machine, 36,850 kg



Horizontal boring machine CTP 637 (IS2A637)

- ▶ Size of the table, 1,600×1,800 mm
- ▶ Diameter of the spindle borer, 125/160 mm
- ▶ Movements along axes X/Y/Z/W, 2,000×1,600×1,000×1,600 mm
- ▶ Max. spindle speed, 5 ... 2,000 min⁻¹
- ▶ Max. cutter-spindle torque, 5,200 Nm
- ▶ Mass of the machine, 36,350 kg

TURNING EQUIPMENT

Universal lathes



Screw-cutting lathe CTT Y50 (16R25P)

- ▶ Swing over bed, 500 mm
- ▶ Swing over saddle, 290 mm
- ▶ Max. processing length, 1,000 ... 1,500 mm
- ▶ Max. weight of workpiece, 1,000 kg

Screw-cutting lathe CTT Y70 (1M63)

- ▶ Swing over bed, 700 mm
- ▶ Swing over saddle, 350 mm
- ▶ Max. processing length, 750 ... 10,000 mm
- ▶ Max. weight of workpiece, 3,500 kg



Screw-cutting lathe CTT Y100 (1H65)

- ▶ Swing over bed, 1,000 mm
- ▶ Swing over saddle, 650 mm
- ▶ Max. processing length, 1,000 ... 16,000 mm
- ▶ Max. weight of workpiece, 10,000 kg



Screw-cutting lathe CTT Y84 (16K40)

- ▶ Swing over bed, 840 mm
- ▶ Swing over saddle, 490 mm
- ▶ Max. processing length, 750 ... 10,000 mm
- ▶ Max. weight of workpiece, 3,500 kg



Special lathe CTT 120 (RT117)

- ▶ Swing over bed, 1,200 mm
- ▶ Swing over saddle, 990 mm
- ▶ Max. processing length, 1,000 ... 16,000 mm
- ▶ Max. weight of workpiece, 10,000 kg



Special lathe CTT 137 (RT817)

- ▶ Swing over bed, 1,370 mm
- ▶ Swing over saddle, 1,100 mm
- ▶ Max. processing length, 1,000 ... 16,000 mm
- ▶ Max. weight of workpiece, 10,000 kg



Special lathe CTT 170 (RT317)

- ▶ Swing over bed, 1,700 mm
- ▶ Swing over saddle, 1,300 mm
- ▶ Max. processing length, 3,000 ... 13,000 mm
- ▶ Max. weight of workpiece, 10,000 kg



TURNING EQUIPMENT

CNC chuck-and-center lathes



CNC horizontal lathe CTT 32 (160HT)

- ▶ Max. diameter of workpiece to be installed, 320 mm
- ▶ Max. length of workpiece to be processed, 120 mm



CNC horizontal lathe CTT 50-60 (200HT)

- ▶ Max. diameter of workpiece to be installed, 500 mm
- ▶ Max. length of workpiece to be processed, 600 mm



CNC lathe CTT 50-100 (16R25F3)

- ▶ Swing over bed, 500 mm
- ▶ Swing over saddle, 290 mm
- ▶ Max. processing length, 1,000 mm
- ▶ Max. weight of workpiece, 1,500 kg



CNC lathe CTT 67 (16R30F3)

- ▶ Swing over bed, 670 mm
- ▶ Swing over saddle, 320 mm
- ▶ Max. processing length, 750...3,000 mm
- ▶ Max. weight of workpiece, 3,500 kg



CNC lathe CTT 80 (16R40F3)

- ▶ Swing over bed, 800 mm
- ▶ Swing over saddle, 450 mm
- ▶ Max. processing length, 750...3,000 mm
- ▶ Max. weight of workpiece, 3,500 kg



CNC lathe CTT 100-290+ (16R50F3)

- ▶ Swing over bed, 800 mm
- ▶ Swing over saddle, 450 mm
- ▶ Max. processing length, 750...3,000 mm
- ▶ Max. weight of workpiece, 3,500 kg

CNC lathe CTT 100-300+ (1N65F3)

- ▶ Swing over bed, 1,000 mm
- ▶ Swing over saddle, 560 mm
- ▶ Max. processing length, 3,000...16,000 mm
- ▶ Max. weight of workpiece, 8,000 kg



CNC lathe CTT 120-100+ (RT117F3)

- ▶ Swing over bed, 1,200 mm
- ▶ Swing over saddle, 800 mm
- ▶ Max. processing length, 1,000...16,000 mm
- ▶ Max. weight of workpiece, 8,000 kg



CNC lathe CTT 137-100+ (RT817F3)

- ▶ Swing over bed, 1,370 mm
- ▶ Swing over saddle, 960 mm
- ▶ Max. processing length, 1,000...16,000 mm
- ▶ Max. weight of workpiece, 12,000 kg



CNC lathe CTT 150 (RT317F3)

- ▶ Swing over bed, 1,500 mm
- ▶ Swing over saddle, 1,200 mm
- ▶ Max. processing length, 3,000...8,000 mm
- ▶ Max. weight of workpiece, 12,000 kg



CNC lathe CTT Y20 (16K20)

- ▶ Swing over bed, 500 mm
- ▶ Swing over saddle, 200 mm
- ▶ Max. processing length, 1,000 mm



TURNING EQUIPMENT

Turning machining centers

Turning machining center CTT 30 (1715)

- ▶ Max. diameter of workpiece to be installed, 300 mm
- ▶ Max. diameter of workpiece to be processed, 210 mm
- ▶ Max. length of workpiece to be processed, 180 mm





Turning machining center CTT 55 (1728)

- ▶ Max. diameter of workpiece to be installed, 500 mm
- ▶ Max. diameter of workpiece to be processed, 400 mm
- ▶ Max. length of workpiece to be processed, 1,000 mm



Turning machining center CTT 70 (1740)

- ▶ Max. diameter of workpiece to be installed, 700 mm
- ▶ Max. diameter of workpiece to be processed, 600 mm
- ▶ Max. length of workpiece to be processed, 1,000 mm



Integrated machining center CTT 12 (TFC-12)

- ▶ Max. diameter of workpiece to be installed, 125 mm
- ▶ Max. diameter of workpiece to be processed, 100 mm
- ▶ Max. length of workpiece to be processed, 170 mm



Frontal lathe CTT 100-20 TC (ATPR-800M1) CNC

- ▶ Swing over bed, 1,000 mm
- ▶ Swing over saddle, 200 mm
- ▶ Max. length of workpiece to be processed, 200 mm

TURNING EQUIPMENT

Vertical turning machines



Twin-pillar turning-and-boring machines STK 320+ (1M-CNC) series

- ▶ Max. diameter of workpiece, 3,200 ... 8,000 mm
- ▶ Max. height of workpiece, 2,000 ... 5,000 mm



Single-pillar turning-and-boring machines CTK 800+ (1N-CNC) series

- ▶ Max. diameter of workpiece, 8,000 ... 12,500 mm
- ▶ Max. height of workpiece, 2,500 ... 5,000 mm

Single-pillar turn-milling vertical machines CTK 200+ (VBL) series

- ▶ Max. diameter of workpiece, 2,000 ... 2,500 mm
- ▶ Max. height of workpiece, 1,400 ... 2,000 mm



TURNING EQUIPMENT

Special lathes

Mill-roll calibrating lathe CTT Д80 (RT904)

- ▶ Swing over bed and over saddle, 800 mm
- ▶ Max. length of the roll, 4,000 mm
- ▶ Max. mass of the roll, 8,000 kg



CNC roll-milling machine CTT Д 74 (RT920F3)

- ▶ Swing over bed and over saddle, 740 mm
- ▶ Max. length of the roll, 2,800 mm
- ▶ Max. mass of the roll, 8,000 kg



CNC roll-milling machine CTT Д 50 (RT903F3)

- ▶ Max. diameter of the roll to be processed, 500 mm
- ▶ Max. diameter of processing, 100 mm
- ▶ Range of the diameters of bars, 6 ... 40 mm



Special lathe CTT Д 190 (RT958F3)

- ▶ Max. diameter of the workpiece, 1,900 mm
- ▶ Max. diameter of processing, 1,500 mm
- ▶ Max. treated neck diameter, 600 mm
- ▶ Max. threaded neck roughness, Ra 0,63
- ▶ Max. workpiece length, 5,700 mm



CNC lathe CTT 188 (RT950F3)

- ▶ Max. diameter of workpiece to be installed and to be processed over bed, 1,880 (1,660) mm
- ▶ Max. diameter of workpiece to be installed and to be processed over saddle, 1,500/1,300 mm
- ▶ Max. processing length, 2,000 ... 30,000 mm
- ▶ Max. weight of workpiece, 25,000 ... 35,000 kg





Wheel lathe CTT Д107 (RT950F3)

- ▶ Max. wheel pair diameter, max/min 1,065/850 mm
- ▶ Max. wheel shaft length, max/min, 2,450/2,200 mm
- ▶ Track width, 1,520 (1,524)mm



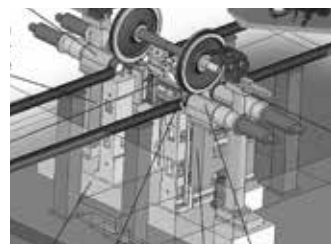
Wheel lathe CTT Д95+ (RT908)

- ▶ Max. wheel pair diameter, max/min 1,250/850 mm
- ▶ Max. wheel shaft length, max/min, 2,660/2,250 mm
- ▶ Track width, 1,520(1,524)mm



CNC Wheel lathe CTT Д125+ (RT910F3)

- ▶ Max. wheel pair diameter, max/min 1,250/850 mm
- ▶ Max. wheel shaft length, max/min, 2,540/2,220 mm
- ▶ Track width, 1,520 mm



CNC Wheel lathe CTT Д85+ (RT906F3)

- ▶ Max. wheel pair diameter, max/min 1,250/850 mm
- ▶ Max. wheel shaft length, max/min, 2,650/2,220 mm
- ▶ Track width, 1,520 (1,524) mm

THREAD-ROLLING EQUIPMENT

Thread-rolling machines



Roller-type hydraulic thread-rolling machine CTH 18 (RP18)

- ▶ Force of rolling, 18 t
- ▶ Min. diameter of workpiece, 2 mm
- ▶ Max. diameter of workpiece, 60 mm
- ▶ Max. pitch of the thread to be rolled, 5 mm



Roller-type hydraulic thread-rolling machine CTH 30 (RP30)

- ▶ Force of rolling, 30 t
- ▶ Min. diameter of workpiece, 3 mm
- ▶ Max. diameter of workpiece, 100 mm
- ▶ Max. pitch of the thread to be rolled, 10 mm

Roller-type hydraulic thread-rolling machine CTH 50 (RP50)

- ▶ Force of rolling, 50 t
- ▶ Min. diameter of workpiece, 4 mm
- ▶ Max. diameter of workpiece, 120 mm
- ▶ Max. pitch of the thread to be rolled, 14 mm



METAL SHEET PROCESSING EQUIPMENT

Metal sheet cutting and processing PФП-2

- ▶ Table size, 8,400×2,100 mm
- ▶ Max. movement X/Y/Z, 6,500×2,080×185 mm
- ▶ Overall dimensions, (Width×Length×Height) 4,740×9,740×2,446 mm
- ▶ Mass of the machine 28,300 kg



Metal sheet cutting and processing PФП-6

- ▶ Table size, 8,400×2,100 mm
- ▶ Max. movement X/Y/Z, 6,500×1,750×400 mm
- ▶ Overall dimensions, (Width×Length×Height) 4,740×10,365×3,300 mm
- ▶ Mass of the machine 29,000 kg



Metal sheet cutting and processing УГР-3/УГР-5

- ▶ Table size, 3,200..7,200×2,200×950 mm
- ▶ Max. movement X/Y/Z, 3,000...6,500×1,970..2,000×200 mm
- ▶ Overall dimensions, (Width×Length×Height) 5,000...5,100×5,550..9,860×3,500...4,500 mm
- ▶ Mass of the machine 3,500...7,100 kg



CNC hydraulic sheet bending machines STS-V / VOLKSPRESS series

- ▶ Power range, 500/630 kN
- ▶ Table width, 2,050/2,550 mm
- ▶ Main drive power, 5,5 kW
- ▶ Distance between racks, 1,750 mm
- ▶ Mass of the machine, 3,000/3,100 kg



CNC hydraulic sheet bending machines STS-K / Klassik series

- ▶ Power range, 630/3,000... 4,000/10,000 kN
- ▶ Table width, 2,050/6,200...4,100/10,200 mm
- ▶ Main drive power, 5,5/30... 30/55 kW
- ▶ Distance between racks, 1,750/5,100... 3,600/9,100 mm
- ▶ Mass of the machine, 5,200/37,000... 36,500/180,000 kg





CNC hydraulic guillotine shears STS-G series

- ▶ Thickness of the sheet, 4/16 mm
- ▶ Cutting length, 2,050/3,100 mm
- ▶ Main drive power, 5,5/30 kW
- ▶ Mass of the machine, 5,000/16,300 kg



CNC hydraulic sheet bending machines STS-D / Dynamik series

- ▶ Bending power range, 500/1,300...1,700/3,200 kN
- ▶ Bending length, 1,275/3,230...3,230/4,420 mm
- ▶ Main drive power, 5,5/11...18,5/30 kW
- ▶ Distance between racks, 2,690/3,680...1,040/2,690 mm
- ▶ Mass of the machine, 4,900/10,900...12,000/22,400 kg

GRINDING EQUIPMENT



WAMeco grinding machine CTШ эко

- ▶ Grinding wheel spindle: feed stroke, 10 mm; speed, 7.2 mm/min
- ▶ Grinding-wheel drive power, 5.5 kW
- ▶ Diameter of the grinding-wheel, 350 mm
- ▶ Spindle speed, 60 ... 48,000 min⁻¹
- ▶ Stroke of work head feed, 55 mm
- ▶ Angle of rotation of the table along B axis, -30 ... +35°



WAMeco-Rotodress grinding machine CTШ эко R

- ▶ Grinding wheel spindle: feed stroke, 10 mm; speed, 7.2 mm/min
- ▶ Grinding-wheel drive power, 5.5 kW
- ▶ Diameter of the grinding-wheel, 350 mm
- ▶ Spindle speed, 60 ... 48,000 min⁻¹
- ▶ Stroke of work head feed, 55 mm
- ▶ Angle of rotation of the table about B axis, -30 ... +35°

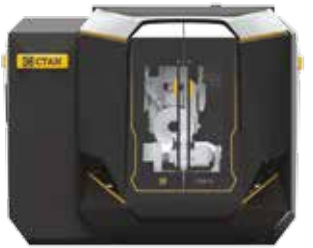


CNC profile-grinding machines CTШ 51 2TC (SXS 512 TC CNC)

- ▶ Grinding range, 800×500 mm
- ▶ Stroke of the vertical carriage, 145 mm
- ▶ Diameter of the grinding-wheel, 340×500 mm
- ▶ Input power of the grinding wheel spindle, 36 kW
- ▶ Grinding wheel spindle rotational speed, 8,000 min⁻¹

CNC profile-grinding machines CTШ 51-CTШ-51 3 (SXS 512-SXS 513)

- ▶ Grinding range, 800×600 mm
- ▶ Stroke of the vertical carriage, 500 mm
- ▶ Max. dimensions of the grinding wheel, diameter/width, 500×100 mm
- ▶ Power rating of the grinding-wheel spindle, 28 kW
- ▶ Rated speed of the grinding-wheel spindle, 1,000 min⁻¹



CNC profile-grinding machines CTШ 61-CTШ-61 3 (SXS 610-SXS 611)

- ▶ Grinding range, 800×480 mm
- ▶ Stroke of the vertical carriage, 500 mm
- ▶ Max. dimensions of the grinding wheel, diameter/width, 500×100 mm
- ▶ Power rating of the grinding wheel spindle, 28 kW
- ▶ Rated speed of the grinding-wheel spindle, 1,000 min⁻¹



CNC multifunctional twin-spindle machining center CTШ 73 5TC2 (SXS 735-TC2)

- ▶ Grinding range, 500×600 mm
- ▶ Stroke of the vertical carriage, 600 mm
- ▶ Diameter of the grinding-wheel, 5 ... 180 mm
- ▶ Input power of the grinding wheel spindle, 42 kW
- ▶ Grinding wheel spindle rotational speed, 0 ... 150 min⁻¹



CNC profile-grinding machines CTШ 32 (SXS 320 CNC)

- ▶ Grinding range, 500×220 mm
- ▶ Stroke of the vertical carriage, 500 mm
- ▶ Diameter of the grinding-wheel, 350 mm
- ▶ Input power of the grinding wheel spindle, 20 kW
- ▶ Grinding wheel spindle rotational speed, 3,200 min⁻¹



SPECIAL-PURPOSE EQUIPMENT

Honing machine

CC740 honing machine

- ▶ Number of spindles, 1 piece
- ▶ Spindle stroke up to 2,500 mm



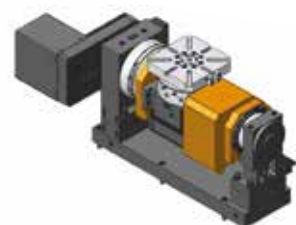
SPECIAL-PURPOSE EQUIPMENT

Special deep drilling and boring machines



- ▶ Diameter of the workpiece to be installed, 50 ... 630 mm
- ▶ Diameter of the hole to be processed, 2,450/2,200 mm
 - drilling from solid, up to 125 mm
 - trepan drilling up to 500 mm
 - in case of boring up to 500 mm
 - in case of unrolling up to 500 mm

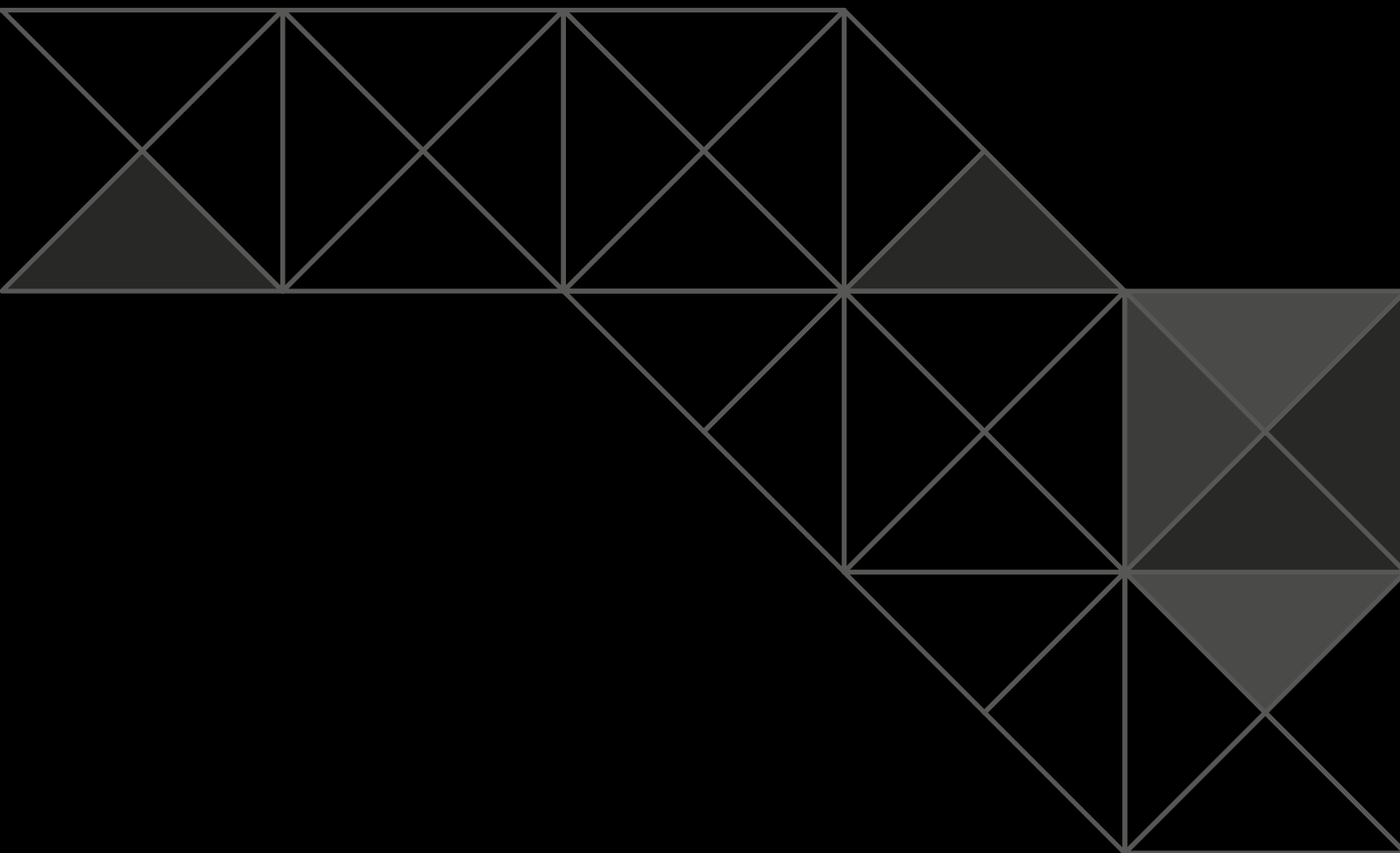
MACHINES PARTS



Special tooling
for grinding machines



Tool-making and spindle
production



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