

Technical characteristics of the CNC machines

| No. | Equipment identification | Tech. characteristic (parameters of the parts) | Type, model, company | Power, kW | The accuracy of processing parameters | | | | Annotation |
|-----|--|--|-------------------------------|-----------|---------------------------------------|-----------------------------|-----------------------------|--------------------------------|---|
| | | | | | Qualitat | Manufacturing tolerance, mm | Manufacturing tolerance, mm | The surface roughness, Ra (μm) | |
| 1 | CNC horizontal lathe processing centre | Ø320x510 mm | DOOSAN Lynx 220LM | 19,0 | 7 | Min.Ø16 mm: 0,018 | Max.Ø320 mm: 0,057 | 0.8 | The values of accuracy is achieved with constant temp. 16...20 °C |
| 2 | CNC horizontal lathe processing centre | Ø410x1030 mm | DOOSAN PUMA 280LM | 27,5 | 7 | Min.Ø16 mm: 0,018 | Max.Ø410 mm: 0,063 | 0.8 | |
| 3 | CNC horizontal lathe processing centre | Ø450x1280 mm | DOOSAN PUMA 3100LM | 37,5 | 7 | Min.Ø16 mm: 0,018 | Max.Ø410 mm: 0,063 | 0.8 | |
| 4 | CNC horizontal lathe processing centre | Ø480x1300 mm | DOOSAN PUMA 3100LY | 37,5 | 7 | Min.Ø16 mm: 0,018 | Max.Ø410 mm: 0,063 | 0.8 | |
| 5 | CNC horizontal lathe processing centre | Ø590x3095 mm | DOOSAN PUMA 400XLC | 37,0 | 7 | Min.Ø16 mm: 0,018 | Max.Ø590 mm: 0,070 | 0.8 | |
| 6 | CNC vertical Lathes processing center | Ø1160x1000 mm | SnowLion Machines VL1200M | 52.5 | 7 | Min.Ø100 mm: 0,035 | Max.Ø1160 mm: 0,125 | 0.8 | |
| 7 | CNC horizontal lathe processing centre | 1050x900x1300 mm | Mazak Nexus 6800II | 37,0 | 7 | 0.01 | 0.125 | 0.8 | |
| 8 | CNC vertical Lathes processing center | 4000x2200x780 mm | HARTFORD HSA – 423 | 26,0 | 7 | 0.01 | 0,210 | 0.8 | |
| 9 | CNC surface grinding machine | 1000x1500x700 mm | PSGP 1015AHR | 7,5 | 6 | Min. thickness. 1 mm: 0,006 | Max. thickness. 700 mm: | 0.4 | |
| 10 | CNC profile-grinding machine | Ø800 mm | ZE 800 | 62,0 | 6 | 0.005 | 0.005 | 0.4 | |
| 11 | CNC cylindrical grinding machine | Ø500x1200 mm | TOS BUB 50B NC/1500 Practic | 31,0 | 6 | Min.Ø16 mm: 0,006 | Max.Ø500 mm: 0,063 | 0.4 | |
| 12 | Fully automatic double-bevel band saw machines with a bevel range of 60° on both sides | 620x460 mm | BOMAR Individual 620.460 Ganc | 4,0 | 12 | 0.1 | 0.1 | 12.5 | |