

## **4 x CNC Turning Machine Emco Turn 365** with bar loading magazine

Operative range  
Max. diameter turned Ø 310 mm  
Max. part length 520 mm  
Max. bar capacity Ø 65 mm  
Max. turning length (up to Ø65): up to 520 mm  
Max. turning length (from Ø65): up to 250mm  
Traversing range  
Carriage traverse paths in X 210 mm  
Carriage traverse paths in Z 610 mm  
Diameter turned: up to 310 mm  
Speed range 0 – 4200 U/min  
Torque at the spindle 192 Nm  
C-axis  
Resolution of the rotary axis 0.001°  
Spindle indexing (disk brake) 0.01°  
Main motor  
Power 18 kW  
Tool turnover device  
Number of tool positions 12  
Driven tools DIN 5480  
Rotational-speed range 0 – 5000 U/min  
Power 5 kW  
Number of driven stations 12  
Automatic tailstock  
Tailstock traverse path 500 mm  
Max. contact pressure 8000 N  
Traverse speed approx. 20 m/min  
Opposed spindle

## **1 x CNC Boring and Milling Centre Deckel** **FP4CCT**

5-sided machining with CNC circular milling attachment  
Work piece dimensions up to 500 x 500 x 600 mm

## **3x CNC Boring and Milling Centre Okuma MF** **46-VA**

**Vertical CNC machining centre**  
Traverse path: x 765 y 560 z 460  
High-speed spindle with 15,000-min-1  
VAC22kw, (199Nm)  
32-fold tool changer  
Tool break monitor and autom. tool length offset  
Work piece weight up to 400 kg possible

**1 x automatic saw MEBA**  
**2 x CNC wire eroding machine**  
**2 x CNC sink erosion**  
**2 x NC surface grinding machine Jung H50**  
**1 x CNC surface grinding machine Elb**  
**1 x NC external cylindrical grinding machine Studer**  
**1 x Internal cylindrical grinding machine Karstens**  
**1 x Milling machine Deckel FP1**  
**1 x Turning machine Leinen**  
**1 x Microray**  
**1 x Polishing lathe**  
**1 x 3D coordinate measuring machine Derby**  
**1 x Measuring microscope Leica**