

Workshop equipment

- Universal – centre lathes – automated cycle lathes
- Metal working machinery- and drilling machines – hydraulic band saw
- Workshop press - laser alignment device etc.
- Welding process: MIG, MAG, WIG, storage and preheating devices

01) Universal centre lathe EX-CELL-0 Type DLZ 630

Centre height: 320 mm
Centre distance: 5000 mm
Spindle bore: 81 mm
With digital display of cross-slides

02) Universal centre lathe EX-CELL-0 type: DLZ800

Centre height: 400 mm
Centre distance: 3200 mm
Spindle bore: 81 mm
Precision: DIN 8606
Digital display for cross-slide

03) Universal centre lathe TONGIL type: TIPL 5

Centre height: 265 mm
Centre distance: 2050 mm
Spindle bore: 78 mm
Precision: DIN 8606
With digital display for bed and cross-slide

04) Automated cycle lathe, FAT Type: TUR 630 N

Centre height: 630 mm
Centre distance: 2000 mm
Spindle bore: 105 mm
Precision: DIN 8606
Control: Powerline CNC System Siemens 810 Manual Turn

05) Universal centre lathe VDF V800

Centre height: 500 mm
 Centre distance: 1500 mm
 Spindle bore: 120 mm
 Centre height:
 In the gap 650 mm
 Length of the gap 300 mm
 With digital display of cross-slides

06) Universal centre lathe TONGIL type: TIPL 4SP

Centre height: 265 mm
 Centre distance: 1050 mm
 Spindle bore: 78 mm
 Precision: DIN 8606
 With digital display for bed and cross-slide

07) CNC table drilling machine WOTAN, Rapid 1 R with 5 controlled axes (X-Y-W-Z)

Mounting table: 1200 x 1000 mm
 X-axis work area 1600 mm
 Y-axis work area 1250 mm
 Z-axis work area 600 mm
 Control: HEIDENHAIN:TNC 530
 Column travel: 1000 mm
 Table load: ca. 3500 kg

08) Rotational, boring and drilling machines Pfeifer F75

Headstock

Drill spindle path: 560 mm
 Height adjustment: 1000 mm

Rotary table

Clamping surface: 900 x 1120 mm
 Lateral movement 1000 mm
 Linear motion 1500 mm
 Table load: Approx. 2000 kg

09) Mobile drilling and welding machine SC3 60/2

Drill shaft diameter	= Ø 60 mm
Drill shaft length	= 2,200 mm
Bore	= Ø 62 – 800 mm
Internal build-up weld	= Ø 442 – 800mm
Face	= Ø 80 – 400 mm

Welding technology

Spiral build-up weld (continuously, and infinitely variable in terms of speed and feed)
Longitudinal feed, infinitely variable L = 350 mm

10) Universal metal working and drilling machine UFW 910

Work area: X = 1050 mm, Y = 650 mm, Z = 500 mm
With digital measuring system in 3 axes X-Y-Z

11) Universal metal working and drilling machine UFW 900

Work area: X = 900 mm, Y = 700 mm, Z = 500 mm
With digital measuring system in 3 axes X-Y-Z

12) Universal metal working and drilling machine RAMBAUDI

Work area: X = 1000 mm, Y = 300/850 mm, Z = 550 mm
With digital measuring system in 3 axes X-Y-Z

13) Drilling and milling machine KNUTH VBF 40

Work area: X = 250 mm, Y = 200 mm,
Drilling up to 50 mm

14) Universal centre lathe WMW type: BR 40 x 1250

Drilling capacity: 60 mm
Drilling depth: 355 mm

15) Hydraulic band saw AMADA HA 400

Cutting range: 400mm round

16) Universal metal band saw BAUER type: S 350

Cutting range: 350 mm round
450 x 280 mm flat

17) Chop saw EISELE

Cutting range: 100 mm round
220 mm flat

18) Workshop press SAHINLER DPM1070-100

100 tonnes

19) Workshop press KNUTH

50 tonnes

20) Indoor crane ABUS

Loading capacity: 5 tonnes each, 10 tonnes when coupled with crossbar
Height of hook: 4.5 m

21) Forklift STILL

Loading capacity: 2.5 tonnes

22) Induction device Betex Gigant

Bearing weight: up to 800 kg
400 V, 100 A
Temperature: max. 240 °C
Bearing diameter: max. 1400 mm
Bearing width: max. 400 mm

23) Induction device SKF TIH210

Bearing weight: up to 300 kg
400 V, 10 kW
Temperature: max. 240 °C

24) Induction device INA-Therm ETH 7169

Bearing weight: up to 15 kg
220 V, 16 A, 3.5 kW
Temperature: max. 240 °C

25) Laser alignment device

Test technology
Testable diameter 1000 mm

26) Gearbox test bench with temperature measurement