

Main machines of PTS

MILLING

Forest Line : table : 5000 mm per 900 m
Spindel motor : 25 kW/1200RPM
X : 5000 mm, Y : 1500mm, Z : 1000 mm
Heidenheim encoders : +/- 0.002m
CNC : Heidenhain 426 (5axis)



MTE : table/tafel 4200 mm per 1200 m
Spindle motor : 20 kW/3000 RPM
X : 4000 mm, Y : 2000mm, Z : 1000 mm
Heidenheim scales : +/- 0.001mm
CNC control : Heidenhain 430 (6axis)



HAAS : table 2000 mm per 1020 m
Spindle motor : 20 kW/7500 RPM
X : 2200 mm, Y : 1016mm, Z : 700 mm
Heidenheim encoders : +/- 0.002m
CNC control : HAAS (5axis)
ATC : 31 tools



Pégard : rotating table 1600 mm per 1400 m
Spindle motor : 20 kW/1500 RPM
X : 1800 mm, Y : 1500 mm, Z : 1000 mm
Anilan optical scales : +/- 0.005mm
manuel



MAAS : table 1250 mm per 800 mm
Coolant through spindle
20 kW
CNC : Heidenhain 530
ATC 24 tools



Rivolta : spindle 37 kW
table : 9000 mm per 3000 mm
angular head
X 8000 mm Y 1250mm Z : 2500 mm
CNC Heidenhain 426



Bohle : table 1800 mm per 800 m
spindle : 25 kW/1500RPM
X : 1800 mm, Y : 800mm, Z : 600 mm
Heidenheim optical scales : +/- 0.005mm
CNC control : Sinumerik Mplus



GRINDING

Mattison : magnetic plate 1100 mm diameter
Spindle power : 75 kW
Height maxi : 800 mm
+/- 0.03 mm/meter
maxi 1.2 mm diameter



Toshiba : plate 1600 mm diameter
Spindle : 100 kW
Height maxi : 1000 mm
+/- 0.03 mm/meter
maxi 1.8 mm diameter



Elbe : tangential
plate 600 per 500 mm
Height maxi : 300 mm
+/- 0.005 mm precise



TURNING

Schiess : vertical
Diam maxi 1100 mm
Manuel



Dean Schmidt : horizontal
Between center : 2000 mm
Diam maxi : 750 mm
manuel



Graziano : diameter maxi: 500 mm
Longueur maxi : 1200 mm
Puissance : 12 kW
Manuel

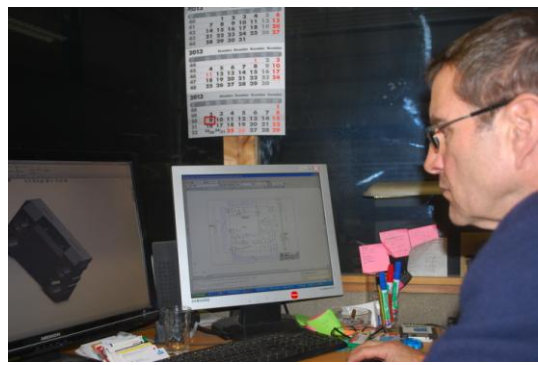


OTHERS

CNC Programming

Main drawing software
Solidworks
Solidcam

1 mechanical engineer



Welding

Staal/Inox/Alu

SAF 380 BI Mig
380 A

SAF 480 TRS Mig Tig
480 A

KEMPI DC 140 A
TIG acier/inox

SAF Prestotic
AC100Amp
Tig Alu

Welding table
4000 per 1600 mm



Furnace

Stress relief-tempering

H&C

Dim 1700*900*600 mm
Temperature control 5 phases
Max temperature 850 C°



Hardening

Furnace H&C
Dim 300 per 300 mm
Temperature control
Max temperature 1150 C°



Dimensional Control

3D inspection Room
LK G90C 15.10.8 CMM
CNC Aberlink

3 overhead cranes 2 * 5 tons + 1 * 10 tons
1500 m2 workshop

