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
Heidenhain encoders : +/- 0.002m
CNC : Heidenhain 426 (5axis)



2x MTE : table/tafel 4200 mm per 1200 m
Spindle motor : 20 kW/3000 RPM
X : 4000 mm, Y : 2000mm, Z : 1000 mm
Heidenhain 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
Heidenhain 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 spindel
20 kW
CNC : Heidenhain 530
ATC 24 tools



Rivolta : spindle37 kW
table :9000 mm per 3000 mm
angular head
X 8000 mm Y 1250mm Z : 2500 mm
CNC Heidenhain 426

TOS Varnsdorf WH10

table 1200 mm per 1000 m
spindle : 20 kW/1800RPM
X : 1250 mm, Y : 1120mm, Z : 940 mm
W : 630 ISO50
CNC control : Heidenain 426



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 precisie



TURNING

Schiess : vertical
Diam maxi 1100 mm
Manuel



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



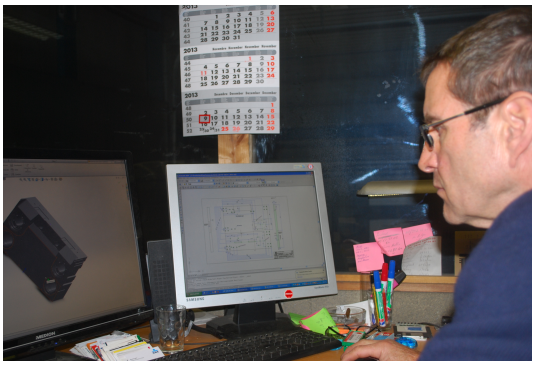
Graziano : diameter maxi: 500 mm
Longueur maxi : 1200 mm
Puissance : 12 kW
Manuel



OTHERS

CNC Programming

Main drawing software
Solidworks
Solidcam



Welding
Staal/Inox/Alu

SAF 380 Bl 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