

MACHINERY

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PUTZIN
Maschinenbau GmbH





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OVERVIEW

Machining and milling centers:

Maximum table load:	1.400 kg
Maximum clamping area X-direction:	2.700 x 500 mm
Maximum clamping area Y-direction:	700 x 850 mm
Maximum axle machining:	5-Axis

Drills:

Maximum parts height:	1.580 mm
Maximum drilling range:	1.290 mm

Lathes:

Maximum turning length:	1.500 mm
Maximum swing above bed:	800 mm
Maximum swing above cross slide:	760 mm

Keyseating:

Maximum groove width:	22 mm
Maximum groove length:	300 mm

Grinders:

Maximum surface grinding:	600 x 350 x 350 mm
Maximum internal grinding:	ø250 x 160 mm
Maximum external grinding:	ø300 x 1.000 mm
Maximum axle grinding:	5-Axis

MACHINING AND MILLING CENTERS

Overview:

Maximum table load:	1.400 kg
Maximum clamping area X-direction:	2.700 x 500 mm
Maximum clamping area Y-direction:	700 x 850 mm
Maximum axle machining:	5-Axis



5-axis machining center HERMLE C40,
Control Haidenhain iTNC530
Year 2008
Axes x/y/z: 850/700/500 mm
+ NC-swivel rotary table D=800 mm
Max. table load 1.400 kg
Rapid traverse* X-Y-Z 60 m/min.



4-axis machining center BRIDGEPORT XR1000,
Year 2007
Control Haidenhain iTNC530
Axes x/y/z: 1.200/610/6610 mm
PPrecision rotary table DCN250DI
Max. table load: 900 kg
ATC with 30 tools SK40
Acceleration* 6m/s
Oil mist extraction



5-axis machining center HERMLE C30U,
Control Heidenhain ITNC530,
Year 2004
Axes x/y/z: 650/600/500 mm
+ NC-swivel rotary table D=630 mm
Max. table load 800 kg
Tool magazine with 32 tools SK40
Rapid traverse* X-Y-Z 45 m/min.
Acceleration* 6 m/s



**Machining center STAMA CNC,
model MC014** with Fanuc 16i-MA
control,
Year 1997
Axes x/y/z: 500/380/300 mm
Tool magazine with 14 tools SK 30
Table clamping area 650 x 380 mm
Drive power 5,5 KW



**Machining center STAMA,
Type MC010** with Fanuc-Control,
Year 1997
Axes x/y/z: 500/380/300 mm
Tool magazine with 10 tools SK 30
Table clamping area 650 x 380 mm
Drive power 5,5 KW



**Machining center STAMA,
Model MC530** with Fanuc CNC-control,
Year 1993
Axes x/y/z: 1600/400/350 mm
Tool magazine with 40 tools SK 40
Table clamping area 2000 x 400 mm
Drive power 27 KW



Machining center AXA Model VSC-M,
Year 1988
Axes x/y/z: 2300 mm bzw. 2 x 980/420/480 mm
Tool magazine with 22 tools SK 40
Table clamping area 2700 x 500 mm
A-Axis
Drive power 11,2 kW



**High -precision double-sided Machining center
MAZAK**

Modell VQC-15/40 with Prod-computer-system
MAZATROL CAM M-2 and pallet changer,
Year 1987

Axes x/y/z: 560/410/380 mm

Tool magazine with 30 tools Ansi-Cat40

Table clamping area 410 x 900 3 T-slots

Drive power 5,5 KW



**Universal tool milling and drilling machine
with screen-path control CNC,**

Hermle UWF

Axes x/y/z: 700/550/500 mm

Haidenhain TNC 355

Table clamping area 1000 x 00 mm



Universal Milling Maschine

Model FNGJ 40 with Haidenhain digital display
Year 2002

Axes x/y/z: 600/400/400 mm

Table clamping area 400 x 800 mm

Drive power 4,0 KW



Universal-gear-wheel-milling-center KOEPFER,

Model 150

max. milling diameter 145 mm

max. module: 2

max. milling width front wheel 110 mm

Drive power 1,75 KW

DRILLS

Overview:

Maximum parts height:	1.580 mm
Maximum drilling range:	1.290 mm



DONAU CNC rapid radial drilling machine, Danumeric 440, Year 2000

Tool holder SK40

Sleeve range (Z-Achse) 200 mm

Pillar range (Y-Achse) 410 mm

Distance spindle top - at least 970 mm

Ground up. 1580 mm

Bohr radius max. 1290 mm

Worktable height 900 mm

Drilling into solid material - steel St 60 \varnothing 40 mm

- GG 20 \varnothing 50 mm

Drive power 5,5 KW



Various other drills and tapping machines

LATHES

Overview:

Maximum turning length:	1.500 mm
Maximum swing above bed:	800 mm
Maximum swing above cross slide:	760 mm



Cycle controlled lathe Böhlinger DUS800ti,

Year 2008

Max. turning length: 1.000 mm
 Max. swing over bed: 820 mm
 Max. swing over cross slide: 500 mm
 Speed / power performance
 Drive power 60%ED: 46 kW
 Max. torque 60%ED: 5.070 nM



CNC Lathe

Hwacheon Cutex160, Year 2008

Number of spindles: 1
 Number of turrets: 1
 Turning diameter max: 300 mm
 Main spindle chuck diameter: 152 mm
 Max. turning length: 300 mm
 Main spindle speed: 6000 U/min
 Main spindle power: 7,5 kW
 Control: Siemens 810 S



Conventional lathe Weiler Commodor 230,

Year 2009

Max. turning length: 1.000 mm
 Swing over bed: 475 mm
 Swing over cross slide: 270 mm
 Spindle bore: 56 mm
 Drive power: 7,5 kW
 Speeds: 24
 Speed range: 13-2000



Universal Lathe VDF Model DUE 500/1500,

Year 1999

Centre height 240 mm

Swing over bed 500 mm

Swing over cross slide 285 mm

Chuck diameter 400 mm

Drive power 11 KW



Cycle controlled lathe Gildemeister N.E.F. 520,

Year 2004

controlled with Manual Plus

Swing over bed 500 mm

Swing over cross slide 290 mm

Chuck diameter 250 mm

Drive power 11 KW



Cycle controlled lathe Gildemeister N.E.F. 520,

Year 1999

controlled with Manual Plus

Swing over bed 500 mm

max. turning length 1500 mm

Chuck diameter 250 mm

Spindle bore 70 mm

Drive power 11 KW



Lathe TRAUB

CNC-controlled, modell TND 400,

with driven tools, Year 1993

Swing over bed 480 mm

Swing over cross slide 240 mm

12-fold turret

Chuck diameter 225 mm

Spindle bore 65 mm

Drive power 31 KW



Lathe MAZAK
CNC-controlled, model Quik Turn 15,
Year 1990
Swing over bed 260 mm
Swing over cross slide 260 mm
max. turning length 450 mm
8-fold turret
Chuck diameter 210 mm
Spindle bore 56 mm
Drive power 15 KW



Lathe GILDEMEISTER
CNC-controlled, modell NEF CT 40,
Year 1987
Swing over bed 400 mm
Swing over cross slide 225 mm
8-fold turret
Chuck diameter 160 mm
Spindle bore 72 mm
Drive power 22 KW

Various other lathes reputable manufacturer

MEASURING INSTRUMENTS

Overview:

Various instruments



3D-CNC-Coordinate measuring machine

Mitutoyo Crysta-Apex C9108, Year 2009

Travels 905 / 1.005 / 805 mm (x/y/z)

Max. table load: 1.200 kg



3D-CNC-Coordinate measuring machine

Mitutoyo EURO-C574 APEX, Year 2001

Travels 505 / 705 / 405 mm (x/y/z)



GARANT measuring microscope, Year 2007



2 pieces height gauges Mauser SPC-V5
for measuring height 600 mm, Year 1995/98



Bench centers manufactured by FAG
Type FMS 2100



Hardness tester manufactured by SMTMF DHT
Type HRSS-150



Calibration Jähnert ULM 01-600 D,
Year 1987 with software for
Data acquisition



**Tool presetting device manufactured by Kelch,
Kalimat-C36, Year 2008**



**Tool presetting device manufactured by Zoller,
Year 1991**

**2 Pieces roughness gauges
with printout**

KEYSEATING

Overview:

Maximum groove width:	22 mm
Maximum groove length:	300 mm



Hydraulic Keyseating

Make LEISTRITZ, type: Polymat 25/300

Year 2004

Groove width 2-22 mm

Groove length 300 mm

Bore diameter 10-350 mm

SAW

Übersicht:

Maximum cutting width: 380 mm



**Fully automatic double column controlled
high-performance band-saw,
Kaltenbach VMB 380 DS, Year 1996**
Maximum cutting width 380 mm
Drive power 5,5 KW



**Circular saw manufactured by Eisele,
Year 1998**

GRINDERS

Overview:

Maximum surface grinding:	600 x 350 x 350 mm
Maximum internal grinding:	ø250 x 160 mm
Maximum external grinding:	ø300 x 1.000 mm
Maximum axle grinding:	5-Axis



CNC-cylindrical grinders

STUDER S33, Year 2005

Centre height: 175 mm
Maximum workpiece weight: 120 kg
Maximum grinding length: 1.000 mm
Swivel range wheelhead -15 ... +195°
Grinding wheel dimension: 500 x 63 (80) mm
Drive power: 7,5 kW



Precision surface grinding machine

Jung Jutec 635,

Year 1998
Operating capacity:
Maximum grinding length 600 mm
Maximum grinding width 350 mm
Maximum working height 350 mm
Magnetic plate 350 x 650 mm
Drive power 3,7 KW



Universal cylindrical grinder

Jones & Shipman 1300 x-700,

Year 1996
Maximum grinding length 700 mm
Maximum height 125 mm
Maximum workpiece weight 100 kg
Drive power 4 KW

OTHER MACHINES

Overview:

Various other machinery and equipment

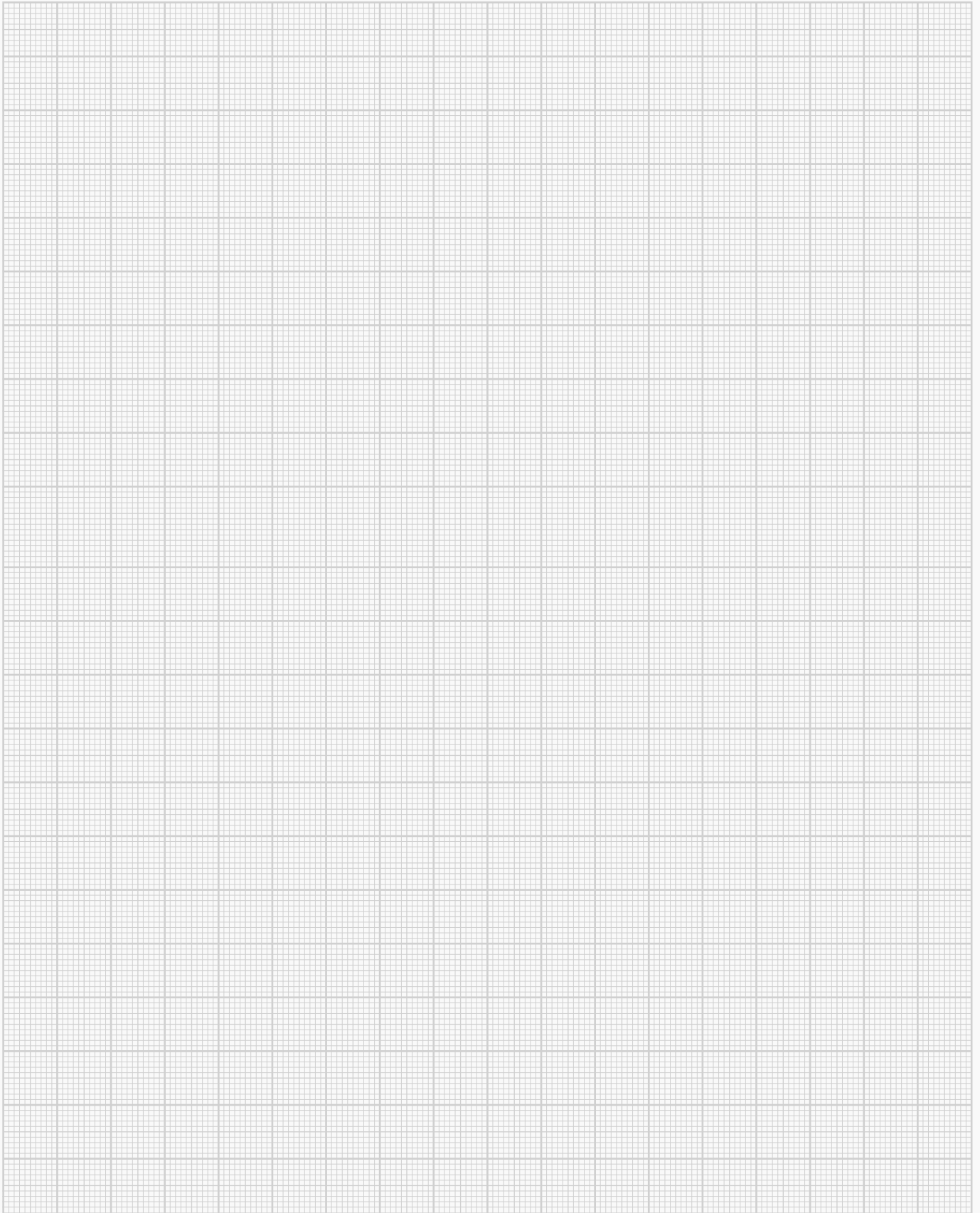


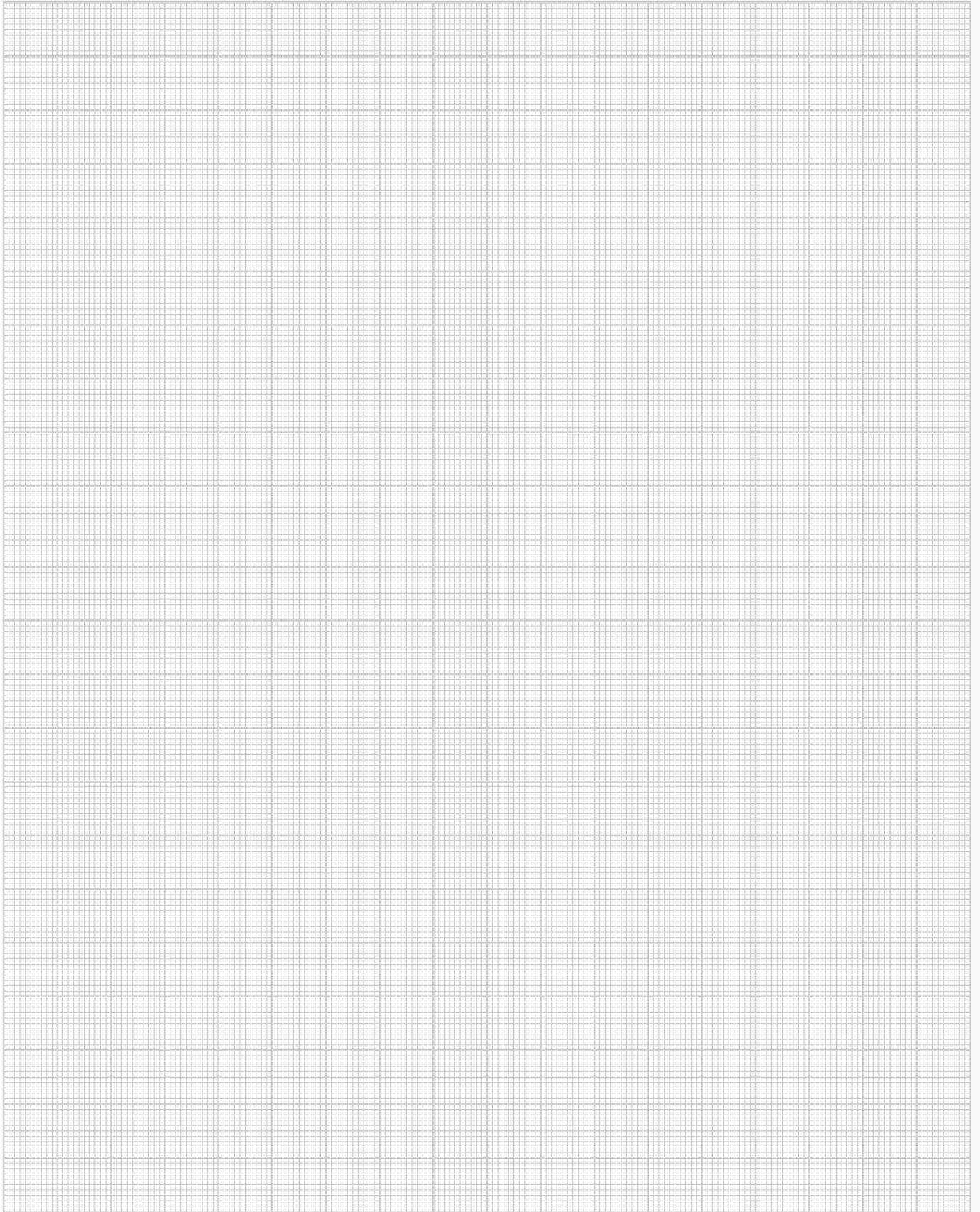
Micro Blasting Machine
Manufacturer PEENMATIC, type 750S
for Blasting, Year 1998
Working area 590 x 300 x 250 mm



Scoring and dot peen, manufacturer BORRIES
Series 322, Year 1999
for individual labeling and
marking of workpieces

**Paint spraying system KSP 8-DT/above ground
level with drying, manufacturer LUTRO,**
Year 1998
Painting area: length 8 m, width 4 m,
height 4 m





CONTACT

PUTZIN



Maschinenbau GmbH

Wilhelm-Busch-Strasse 3 - 5
91257 Pegnitz

Tel.: +49 9241 4994 - 0

Fax: +49 9241 4994 - 99

Email: info@putzin.de

Web: www.putzin.de