

Band saw

Herbert Arnold GmbH & Co. KG Weilburg
Amtsgericht Limburg HRA-Nr. 2032 P.h.G.: H. u. W. Arnold GmbH Weilburg
Amtsgericht Limburg HRB-Nr. 3071 Geschäftsführer: Dipl.-Ing. Wolfram Arnold

Address

Herbert Arnold GmbH & Co. KG
Weilstrasse 6
D-35781 Weilburg

Telephone: +49 (0) 64 71 93 94 -0
Telefax: +49 (0) 64 71 20 65
E-Mail: info@h-arnold.de
Website: www.h-arnold.de

According to specification:
25.02.2010
All rights reserved



Band saw 72/375-MU

Item number: VT1-00181

Category: Band saw

This machine is suitable for cutting of multi crystalline silicon workpieces up to diameter format of max. 210 x 210 mm with a workpiece length between 100 and 500 mm. Minimum segment length is 10 mm. The fully automatic machine excels by the following advantages:

- equipped with two loading areas for manual and fully automatic loading, for instance with help of an industrial robot
- compact construction
- pneumatic clamping of workpiece and segment
- machine uptime 97%
- cutting force supervision for optimization of cutting process and avoiding of tool damages based on SiC-inclusion
- high throughput

Workpiece: 156 x 156 mm²

Cycle time: 10 Min

Machine capacity: approx. 47.000 cuts/year (based on 24/7-production)

Quality data of workpiece:

- angularity: 0,2 mm
- evenness: 0,2 mm
- chips, cracks, steps: 0,5 mm



- CPU Siemens S7/317
- high end industrial PC with dual core processor
- 15" touch panel with HMI, visualisation on WinCC flexible
- integrated recipe management
- band torsion via adjustable hydro pneumatic clamping unit
- positioning of table at manual loading via linear drive
- lifting table with AC-servo motor, with drive via toothed wheel and toothed rack
- Optional: ARPAT – "Arnold Remote Production Analysis Tool" – machine internal MES

Workpiece length	100 - 500 mm
Machine (LxWxH)	2500 x 2600 x 200 mm
Machine weight	6000 kg
Connected load	20 kW
Coolant grease	water
Length sawing band	5.500 mm
Height sawing band	50 mm
Width sawing band	0,75 mm

Herbert Arnold GmbH & Co. KG Weilburg
 Amtsgericht Limburg HRA-Nr. 2032 P.h.G.: H. u. W. Arnold GmbH Weilburg
 Amtsgericht Limburg HRB-Nr. 3071 Geschäftsführer: Dipl.-Ing. Wolfram Arnold

Address

Herbert Arnold GmbH & Co. KG
 Weilstrasse 6
 D-35781 Weilburg

Telephone: +49 (0) 64 71 93 94 -0
 Telefax: +49 (0) 64 71 20 65
 E-Mail: info@h-arnold.de
 Website: www.h-arnold.de

According to specification:
 25.02.2010
 All rights reserved

