

## CAM SHAFT MANUFACTURING LINE

- Special Occasion
- Engineering available



## CAM SHAFT MANUFACTURING LINE / Machines

### list of machines ( exhaust )

OP	Make	Type	no. of machines	Year	operating step
10	Samag	CNC Endenbearbeitung	1	2001	overall length
20	Landis centerless		1		bearing-roughing grinding
30	Samag	ES2-6/6 x 1000	1	1999	end machining
40	Schautd	CF 41 CBN	2	1998	pregrinding cams
	Landis CBN				
45	Schautd	CF 41 CBN	1	1998	pre grinding dihedron, final grinding axial bearing
50	König&Bauer	Multimat 400	1	1994	finish grinding bearing
60	Magdeburg	M160 U-2	2	2000	tuning vanos head
	Magdeburg	M160 U-2		2000	
70	Samag	SM-Ölkanal	1	2004	drilling hols
80	Junker	Jucam 5002/51	3	1996	finish grinding cams and two-flats
	Junker	Jucam 5002/51		1997	
	Landis Lund	3L		2001	
100	TBA		1		brush deburring
110	Silberhorn	Multiline 2B	1	2005	washing, conserving

## CAM SHAFT MANUFACTURING LINE / Machines

### List of Machines ( intake camshaft )

OP	Make	Type	nos.	YOM	operating step
10	MSA	EBNOK 750	1	2004	overall length
20	Landis centerless		1		bearing-roughing grinding
30	Samag	CNC-Endenbearbeitung	1	2001	end machining
40	Landis CBN		2		pregrinding cams
	Landis CBN				
45	Landis	3SE	1	2001	pregrindingtwo flat, final grinding axial bearing
50	Landis Multiwheel	5RIWE	1	2001	finish grinding bearing
60	Magdeburg	M 160 U-2	2	2001	tuning vanos head
	Magdeburg	M 160- U2		1999	
70	Becker ( special boring machine )		1	1999	drilling holes
80	Schautd	CF 41 CBN	3	1997	finish grinding cams and two-flats
	Schautd	CF 41 CBN		1997	
	TBA				
100 / 110	Dürr Ecoclean	K 135 042 442	1	2004	brush deburring / washing, conserving

NAGE

# HD Machine Tools Company Overview

We drive!

- 23-year machine tool expertise
- solutions for surplus plants
- strategic warehousing
- import - export - experience
- dismantling - packing - loading
- transportation - installation
- turnkey projects
- smooth & trouble free handling
- member of the FDM association



We are looking forward to welcome You.  
Please visit us also @ [www.hd-gmbh.com](http://www.hd-gmbh.com)

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FDM  
GERMANY



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HD Werkzeugmaschinenhandel GmbH  
second hand machine trading - international trading activities





# HD Machine Tools at a glance!

HD ... at a glance

**Our commitment and rich experience** over last 25 years in machine tools has helped us evolve as one of the prominent and leading European suppliers of Used Machines primarily for the Automotive Industry.

**Our specialization & focus** is in the Gear Machinery – Shapers, Hobbers, Shavers, Grinders, Testers, and Camshaft, Crankshaft manufacturing machines, Machining Centers and others.



**We also offer all kinds** of general purpose & special purpose, conventional & CNC machines such as Turning machines, Lathes, Grinding M/Cs, Spark Erosion & wirecut EDMs etc.



Detailed informations at [www.hd-gmbh.com](http://www.hd-gmbh.com)

**Our endeavor and commitment** towards Total Customer Satisfaction in the last 8 years, has further strengthened our customers confidence in us and has helped us gain a respectable position as a **Reliable Supplier** of complete production lines of components & assemblies for the Automotive Industry such as cam-shaft, crank-shaft, connecting rod, Flywheel, CV-Joint, Engine Cylinder Block, Engine Cylinder Head etc.

**Our selective sources** of machines i.e., European automotive Industries and Suppliers to Worldwide Automotive Industry is our additional strength.



**MAUSER Modern Manufacturing Line** for Connecting Rods  
 Flank Thickness: 17 mm & 30 mm  
 Bore to bore the two holes: 138 mm & 144 mm  
 Diameter of the small Eye: 17 - 19 mm  
 Diameter of the big Eye: 42 - 50,6 mm



**In addition to supplying machines,** we also offer our professional services in Engineering & Logistics such as Dismantling, Handling & Loading, Shipping, Re-Assembly and installation including automation with robots for production lines at customer's site.

**We are richly experienced** in the markets of countries like India, China, Turkey, South Korea, USA and ofcourse all European countries. We have a long list of satisfied & loyal customers from all these countries. As far as our headquarters, we are located near Frankfurt/Main with both our corporate office and our High-tech-equipped Main Warehouse holding a stock of over 500 machines.

**Our customers may inspect our machines** under power with a prior appointment. We are more informative on our home page: [www.hd-gmbh.com](http://www.hd-gmbh.com) where you can see the entire list of our machine & equipment stock with all the technical specifications, photos and videos in many cases. Therefore, we recommend you to visit our site.

**It would be our pleasure and honor** to provide you our services by supplying machines to your exact needs and add you in our existing long list of reputed customers from across the world.

**Awaiting to hear from and looking forward** to seeing you at our Staufenberg headquarters.

**Yours HD Team**

HD Werkzeugmaschinenhandel