



KURTZ KPS Column Trimming Presses

Ideal Solutions for Trimming – Customized for your needs

KURTZ Trimming Presses

Ideal Solutions for Trimming from one Source

For nearly 30 years KURTZ has been manufacturing casting machines for aluminium and magnesium alloys under the motto "From Foundryman For Foundrymen". KURTZ enjoys an excellent reputation in the industry as specialists in the field of low-pressure casting machines, tiltable and gravity casting machines. These machines can be delivered as stand-alone or turnkey solutions.

At the end of 2009, KURTZ successfully expanded its product range in the foundry machine business sector by adding trimming technology. This means KURTZ now also offers trimming presses and trimming tools including automated cast part handling as well as complete casting cells. For these diverse tasks, a team of experts with up to 20 years of experience is always at your disposal.

KURTZ trimming presses can be used with cast parts produced in the high-pressure, low-pressure and gravity casting processes.

Business Activities

- Planning
- Engineering
- Process Technology
- Tooling Technology
- Melting and Furnace Technology
- Peripheral Equipment
- Automation

Technology

- Presses
- Trimming
- Trimming Tools
- Integrated Sawing
- Drilling
- Milling
- Robot handling

According to the customer's requirements, KURTZ presses can be equipped with additional accessories such as rams, clamp-down and removal devices, blow-down functions and spraying units.

Furthermore, the platen can be designed as a tilting, sliding or sliding/tilting table and is available for all press designs.

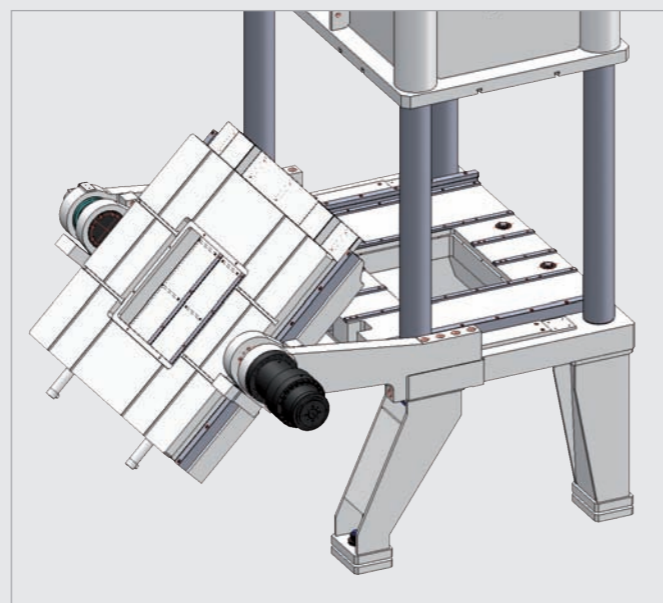
KPC - C-Frame Design

KPS - Column Version

KPR - Frame Construction

Option: Press table with sliding/tilting table function

- Sliding table function via hydraulic cylinder
- Tilting angle up to 180° via hydraulic swivel drive
- Free programming of tilting function and angle
- Free programming of speed profiles
- Settings are stored in the recipe management



KPS 500:
Column Trimming Press
with 50 tons
press force

KPS - Column Version

KPS 1000:
Column Trimming Press
with 100 tons
press force

KPS-series

Column Trimming Press with 100 tons press force

Machine Highlights

- ideal solution for tall parts and parts with large volume
- loading and removal possibilities from four sides
- robust, strongly dimensioned guiding columns
- all possibilities of burr removal by variable space beneath base platen
- ideal burr removal due to large, open channels in the base platen
- fast and simple trimming tool change via crane or fork lift by means of trimming tool lifters and loading arms
- machine concept offers space saving installation possibilities / layout as cell solution
- option: removable fourth guiding column offering ideal access for tool change



Automatization, Engineering & Service

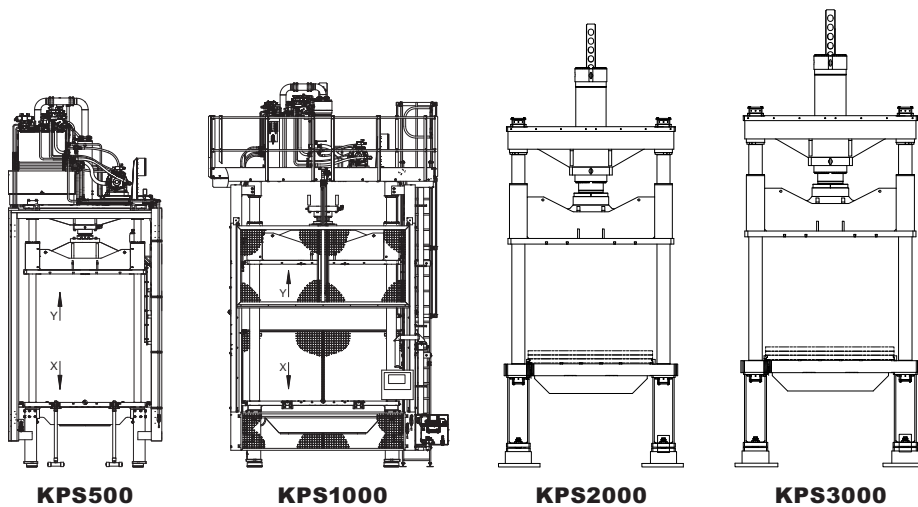
- cooling basins
- air conditioned cabinets
- testing and measuring systems
- parts inspection
- robots
- gripping technology
- conveyor technology with safety devices

In the area of after-sales service KURTZ offer their customers, and press users of third-party manufacturers, an optimal "just-in-time" wear and spare parts supply program and also carries out safety inspections according to accident prevention regulations.

KURTZ remains committed to offering quality customer service, which is deeply rooted in our company philosophy. Our aim is to offer sustainable, repeatable performance of KURTZ machines over the entire usable life of the equipment. Numerous well-known references at home and abroad demonstrate our outstanding performance.

Besides commissioning, installation and maintenance we also offer tailor-made training programs for your staff as well as individualized technical support for maintenance, warehousing advice and plant evaluations.

Technical Data – Examples of KURTZ KPS trimming presses



Position measuring system for clamping platen.



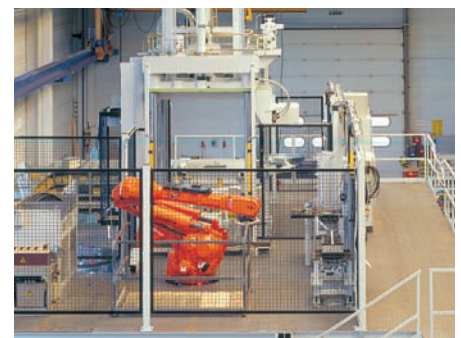
Clamping platen safety device. Clamping platen connection with position measuring device.



Visualization with large color screen, controlled via protected keyboard. Trimming recipes can be saved directly on Secure Digital Memory Cards.

KURTZ KPS trimming presses	KPS500	KPS1000	KPS2000	KPS3000
Press force (t)	50	100	200	300
Clearance between guiding columns (mm)	1,600 x 1,000	2,300 x 1,500	1,600 x 1,200	2,200 x 1,200
Tool height (mm)	2,200	2,500	1,800	1,800
Tappet stroke (mm)	1,200	1,500	1,100	1,200
Table height (mm)	1,100	1,200	1,100	1,900
Clamping plate dimensions (W x H) (mm)	2,100 x 1,500	2,800 x 2,000	2,250 x 1,820	2,850 x 1,820
Tappet dimensions (W x H) (mm)	2,100 x 1,500	2,800 x 2,000	2,200 x 1,770	2,800 x 1,770
Min. trimming press width (mm)	2,100	2,800	2,250	2,850
Min. trimming press depth (mm)	1,500	2,000	1,820	1,820
Trimming press height (mm), approx.	6,400	7,100	7,300	7,400
Ejection cylinder (mm)	ø 80/45 oder ø 100/56	ø 80/45 oder ø 100/56	ø 80/45 oder ø 100/56	ø 80/45 oder ø 100/56
Ejector stroke (mm)	150 – 400	150 – 400	150 – 400	150 – 400

Apart from our standard machines with a press force ranging from 50 to 300 tons we offer customized trimming presses according to your technical specifications. Just contact us for your KURTZ solution!



Automatic casting solution with robots, safety guards, burr removal including CE certification for the entire cell.

KURTZ Foundry Products

Aluminium Foundry, Wiebelbach
Iron Foundry, Hasloch
Tel. +49 (0) 93 42 / 8 05-0
info@kurtz.de

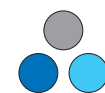
KURTZ Sheet Metal Technology

MBW Metallbearbeitung Wertheim GmbH
Wertheim and Baidersdorf
Tel. +49 (0) 93 42 / 96 36-0
info.mbw@kurtz.de
www.feinblechtechnologie.de

KURTZ Particle Foam Machines

Plant Wiebelbach
Tel. +49 (0) 93 42 / 8 07-0
info@kurtz.de
www.kurtz-plastics.de

www.kurtz-metals.com



KURTZ[®]

**KURTZ GmbH
Foundry Machines**

Plant Wiebelbach
Frankenstr. 2
D-97892 Kreuzwertheim
Tel. +49 (0) 93 42 / 8 07-0
Fax +49 (0) 93 42 / 8 07-3 19
info@kurtz.de
www.foundrymachines.com

Kurtz. METALS