

Fine Grinding / Thru-Feed Grinding / Deburring / Lapping / Honing / Polishing

Precision Machining in Perfection

High Production Surface Processing

Perfect Customer Solutions

Customized Process Development
and comprehensive Customer Service



Machine + PROCESS = Optimal Customer Solution

We meet our customers' demands in respect of surface quality, parallelism, flatness and thickness variation. Design and process engineers combine our supreme machine quality and process innovation in order to achieve the highest benefit for your investment.

Technology barriers are overcome by teams consisting of PETER WOLTERS experienced engineers and customers.

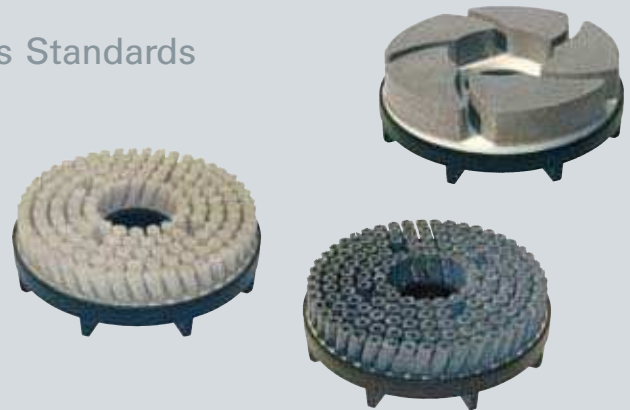
- PETER WOLTERS' workflow flexibility ensures that innovative customer options can be adopted at any time,
- effective communication with our internal and external partners,
- modern project management, i.e. milestones are met, up to date Knowledge Data Base Systems, i.e. all progress in process innovation is based on scientific research, development plans and documentation.

PETER WOLTERS First Class Service sets Standards

Providing first class support, we offer our customers tailored service solutions and products – throughout the entire service life of the machine. For highest machine availability, productivity and process and planning reliability. Supported by our worldwide network of highly qualified technicians and service specialists.

Supply of Consumables and Spare Parts

CBN and diamond fine-grinding wheels / lapping, honing and polishing wheels / workpiece carriers / lapping and polishing agents / deburring tools / polishing cloths / a complete spare parts program.



Maintenance / Repair / Application Engineering

From repairing a single machine to complete support: Our tailor-made inspection, maintenance and full service packages, the worldwide service network and the **RangeCare**[®] online support system ensure optimum care for and availability of your machines.

Training

PETER WOLTERS offers a comprehensive range of individual training modules and on-demand training for users – either in our training center or on site at the customer's.

PETER WOLTERS

Perfect system Solutions –

Highest Precision for all Materials and Branches

Face the Future with PETER WOLTERS

PETER WOLTERS is the leading manufacturer of high precision machine tools and systems for fine grinding, lapping, honing and polishing applications for flat workpieces.

Since 50 years our mission is to supply the market with highest quality products, prime service and production solutions.

The product range is completed by combined grinding and brush deburring systems which have been developed for the final surface optimisation of fine ground and stamped workpieces.

Decades of experience enable us to supply you with tailor-made setups for high productivity precision systems.

PETER WOLTERS fulfils your requirement of workpiece processing in respect of surface quality, parallelism, flatness and thickness variation. We offer solutions that will give you competitive advantages in your markets.

The philosophy of PETER WOLTERS as innovation leader is to break through process limits, working together with our customers on a regular basis.

Therefore, PETER WOLTERS is equipped with process laboratories including specific engineering and equipment resources and state-of-the-art measurement technology.

Today's innovations are tomorrow's progress.



Tailor-made Solutions for all Applications

Our systems are suitable for nearly unlimited applications, from metal industries, semiconductor, ceramics, plastics or glass industries. PETER WOLTERS systems can be adopted for nearly all materials. Accordingly you can fine-grind, lap, hone or polish:

Semiconductors: Silicon, silicon carbide, germanium, gallium-arsenide, gallium-nitride, lithium niobate, lithium tantalate (i.e. wafer, rigid discs, SOI-carriers)

Metals: Steel, sinter metals, hard metals, brass, aluminium and cast iron (i.e. parts for diesel injection systems, hydraulic pumps, precision bearings, slitter knives, carbide tips)

Glass – Quartz – Sapphire: (i.e. Sensors, condenser lenses, integrator plates, colour cubes, photo-masks, optical glasses and filters, oscillators)

Ceramics: Aluminium oxides, silicon nitrides, silicon carbide, piezo-ceramics, aluminium nitride, zirconium (i.e. valve parts, seals, high performance bearings, ceramic tips)

Special Materials: Silicon, carbon, plastics, ferrite and magnetic materials (i.e. seals, valve and pump parts, electronic components)

The AC *microLine*® Range

Latest Technology as Standard –
for outstanding Performance and Versatility



AC 2000-F with carrier loading system (optional)

The *microLine*® Range: AC 470-F to AC 2000-P³

The high productivity double wheel machines of the AC *microLine*® range display state-of-the-art design and concept. The modular system of main components together with the precision of the latest control-, drive- and measuring technologies deliver reliability of the process and make the system comfortable to operate. Easily removable machine linings and fully covered process areas give the best accessibility and industrial safety. For automatic loading and unloading the upper wheel can be swung out.

Durability, reliability, low Cost of Ownership, variety in applications and automation solutions – these are the outstanding features which characterize every PETER WOLTERS system.

PETER WOLTERS Automation Components

For further increase of productivity, the PETER WOLTERS machine range can be equipped with automation setups. Choose between semi and fully automated versions. This system guarantees optimal costs per piece combined with high throughput and therefore highest economical value.



AC 1000-F with Twinloader
rotary table (optional)

Double-Disk Grinding and Deburring Systems

Latest Technology as Standard –
for outstanding Performance and Versatility



Grinding and Deburring System FE 700-L



DDG 450

Double-Disk Grinding (DDG) and Thru-Feed Grinding (TFG) to Perfection

Highly competitive, with its space saving footprint, high precision and extremely cost effective design. The double-disk surface grinding machines in the new DDG product range and the thru-feed grinding machines in the TFG product range from PETER WOLTERS offer economic effectiveness at its best. Everywhere the simultaneous grinding of parallel surfaces is required for a variety of workpieces.

Cost effective drive technology and the fundamentally stable mechanical construction of the DDG and TFG product range offers the user the highest possible degree of operational flexibility.

Brush Deburring Systems *Burr-Ex*[®]: The Finishing Touch

Following the *Burr-Ex*[®] technology – with the finishing systems BD 300-L, FE 700-R (round table) und FE 700-L (linear) – PETER WOLTERS offers three different layouts for fully automated fine deburring systems which produce the ground or stamped workpieces.

The machines can be supplied as fully automated setups combined with an AC *microLine*[®] system or alternatively as stand-alone solution. Each version follows a modular concept and can be adopted to our customers' needs.

The PETER WOLTERS finishing systems stand for productivity, reliability and precision.



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