

Update of the ALUFIX product range The future is black

Always making the best a little better. That's the motto at Witte. To be seen again on the current update of the ALUFIX product range: step by step, starting in late summer 2021 the standard colour for all elements of the modular fixturing system will change from anodized natural to anodized black, which was previously an option. Without any extra charge and with the best availability.

This makes ALUFIX perfect for the increasing use of optical measurement procedures and specialized applications. ALUFIX black: customer benefit plus!



Passed the audit

Unlimited capabilities:

Once again Witte passed the customs surveillance audit with flying colors thereby confirming that at Witte all customs processes are perfectly organized and dealt with.



QuadroVac attracts!

Attractive! Not just in terms of downforce but also figuratively: as a customer magnet.

QuadroVac, our latest product idea for vacuum clamping technology, is raising great interest. Shortly after the market launch numerous plates have been ordered and are in use..

„Production“ selects top products It couldn't be better!

In a special issue in June, the trade magazine „Production“ selected the best products from German companies for construction and manufacture related working areas.

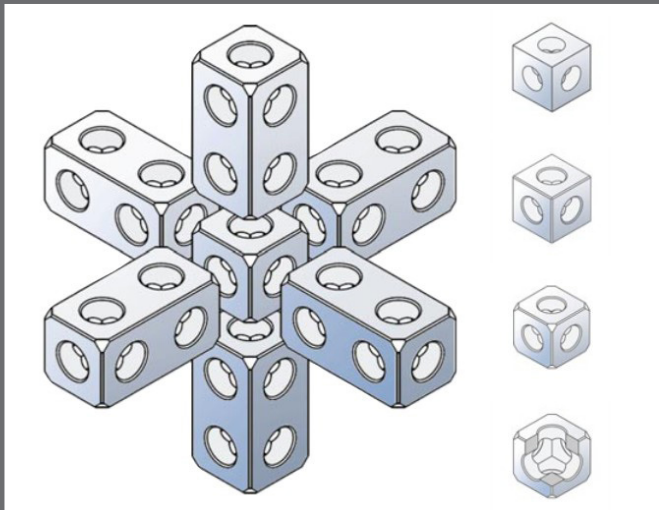
Also included: the new generation of precision grid base plates from Witte. They score with their so far unique practical solution for size variable high-precision bores. These offer the optional advantage of screw in bushings which reduce the bore diameter and with differently sized tightening threads. This makes them extremely versatile, user-specific and above all, they make repeatable, precise clamping configurations possible. Even though they are completely independent of the basic hole dimensions of the footplates and/or clamping system used.



Educational

A real lesson in future planning: Vocational training at Witte. As one of the most important employers in the region Witte Barskamp has already enabled training for well over 100 young people ensuring their secure future. And we aim to remain "instructive".





The ALUFIX principle:

Ingenious from the base up

Six sides, eight corners, twelve edges: the starting shape and basic element of the ALUFIX system geometry is the cube.

All other element configurations are created by multiplying this basic shape – with continuous bores on all surfaces creating connection options on all sides.

Each hole is suitable for both positioning and fixing. The ALUFIX element geometry ensures that the grid is precisely maintained in all directions and across any number of joins.

ALUFIX precision grid base plates:

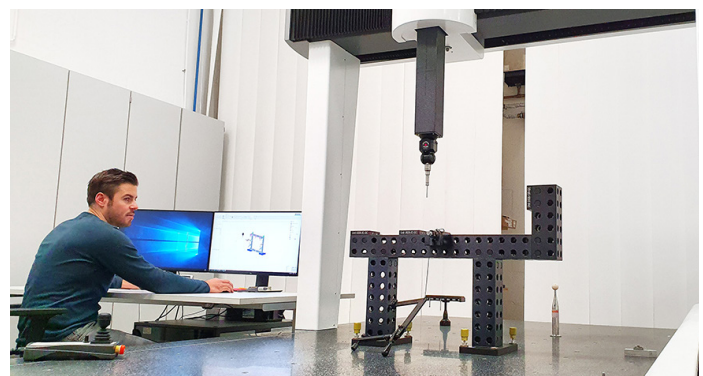
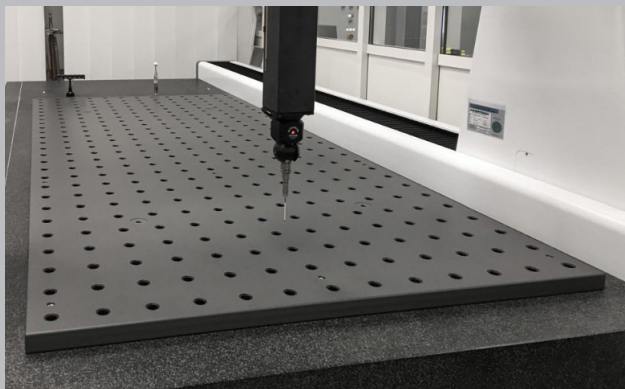
Basis of perfect measuring results

ALUFIX grid base plates from Witte provide a versatile absolute precise base for repeatable measuring of mounted workpieces and fixtures.

The plates are specifically designed for use on coordinate measuring machines, with according size options, mounting through holes and designated eye bolt threads for safe lifting and handling. The plates provided are efficiently suitable for all common CMM tables and optical measurement systems as well as fixtures even as the standard pre-configured versions

Individual user specific requests range in combination of different grid spacing, plate thickness, length and width, surface treatment and plate surface type.

Whether used as a large universal grid plate or base of a small part holding fixture: Alufix grid base plates provide the needed precision and stability for your reliable and perfect measurement result – under all conditions, with the flexibility ensured. Proven over a thousand times...



On behalf of quality

Accurate: measuring services from Witte

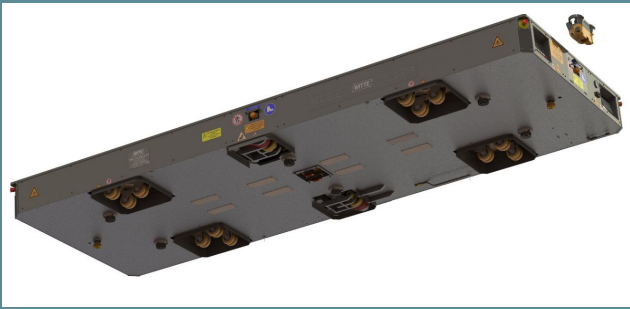
Quality management/assurance and measurement technology: one of many performance points in the Witte PROject division - project implementation on behalf of customers. With competencies that convince:

- Based on the latest standards and certified Overall management system. DIN EN ISO and TISAX and S-Rating up to prototype sensitivity.
- Modern equipped precision measuring rooms for single and serial measuring.
- Barrier-free measuring room equipment through connection via crane tracks to plant logistics.
- A tactile CNC portal coordinate measuring machine, measuring volume 1200 x 3000 x 1000 millimeters.
- Two tactile CNC horizontal arm CMMs, measuring ranges 6300 x 1650 x 2300 millimeters.
- Three air-conditioned measuring rooms 20 ° C (+/- 0.5 ° C).
- Profile measurement and hardness testing.
- Mobile optical measuring technology (laser tracker).
- Measuring protocols, measurement data analysis /documentation.

US automaker places additional orders Roll on!

One of the largest US car manufacturers has now ordered their twentieth aluminum structure roller plate with friction wheel drive from Witte. So there's no question that on the other side of the pond they are into precision engineering from Germany.

The structure roller plates form the basis for operators to change from tactile to optical measurement.

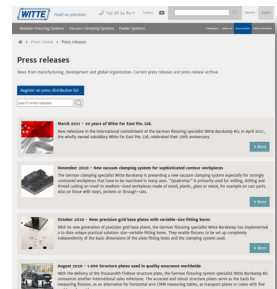


English online press center In English, please

Company and product innovations from Witte raise a lot of interest and are in great demand from the trade press. Over 150 German specialist editors are regularly supplied with journalistically prepared topics from Barskamp. Among other things, via the online press center of Witte's website. Here editors and publishers can find suitably prepared media material - from press releases to product descriptions - for easy download.

Due to popular demand we have now extended this journalistic service and expanded the German online press center with an English version.

By the way: the media areas are freely accessible for all visitors to the website. After all, we have no secrets.

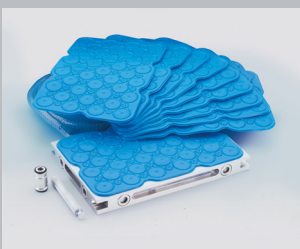


Witte VAC-MAT plastic mats

The clamping system into which can be milled into

With VAC-MAT from Witte, workpieces can be completely machined in one vacuum clamping process. Up to 70 percent of the clamped material can be milled out without the vacuum breaking or parts unintentionally coming off.

Simultaneously there is no need for costly reworking, such as breaking out of workpieces, deburring or clamping using forks or double-sided adhesive tape.



VAC-MAT is vacuum chuck that comes covered with elastic plastic mats. The thin, soft mats are provided with vacuum suction holes, through which the air between workpiece and mounting surface is sucked out.

There are plastic nubs on the underside of the mats for positioning on the vacuum chuck. VAC-MAT allows cutouts, slots etc. to be milled. Also machining of contours and chamfers - otherwise only possible with special chucks - excels with this method.

Similar to the grid chucks, the mats are also suitable for different machining tasks and materials. Working with the VAC-MAT system is made easy because only 60 percent of

the vacuum chuck needs to be covered with one or more components.

It is not necessary to cover or limit the unused the clamping area.

The VAC-MAT modular chucks are used for large-format vacuum areas by joining them together with simple adapters and ensuring through supply of vacuum.

Precise manufacturing with VAC-MAT is supported by the mat's accuracy, the thickness tolerance of which is 0.04 mm. The special outer contour enables the use of stops so that workpieces can be aligned more easily.

The plastic mats are also suitable for wet work with common cooling emulsions and can be used at temperatures of up to 40°C without restrictions. VAC-MAT is reusable - only those mats damaged by the machining process need to be replaced.





Direction electromobility Commitment to E

The proportion of electric vehicles in the Witte company fleet is continuously increasing. And that's in all mobility areas of the plant. From the electrically driven high-performance forklift in the warehouse to delivery and service fleet, to field service and management vehicles. By the way: we received the "Ökoprofit-Betrieb" seal in 2010.

Clamping over the entire surface and absolutely „level“

Microporous vacuum clamping chucks

Microporous vacuum chucks from Witte are the ideal solution for clamping and fixing in measuring and testing procedures in the micro or nanometer range, for precision machining and in silicon wafer production.

Thin carrier films or wafers are not pulled down by suction holes, suction grooves, etc. and the risk of deformation is therefore eliminated. They also score points in automated processes thanks to their low weight and high precision.

With corresponding adaptations microporous vacuum chucks from Witte can be heated up to 150°C as well as cooled. Also available are special chucks for transmitted light applications.

The range includes chuck surfaces made of air-permeable Materials such as sintered bronze, ceramic or aluminum. Even black and fluorescent clamping surfaces are available.

Applications

- Measuring, testing and machining.
- Thin-walled materials (e.g. paper, foils, circuit boards, metal strips, wafers, PCD),
- fine (e.g. optics) and soft (e.g. rubber) materials.

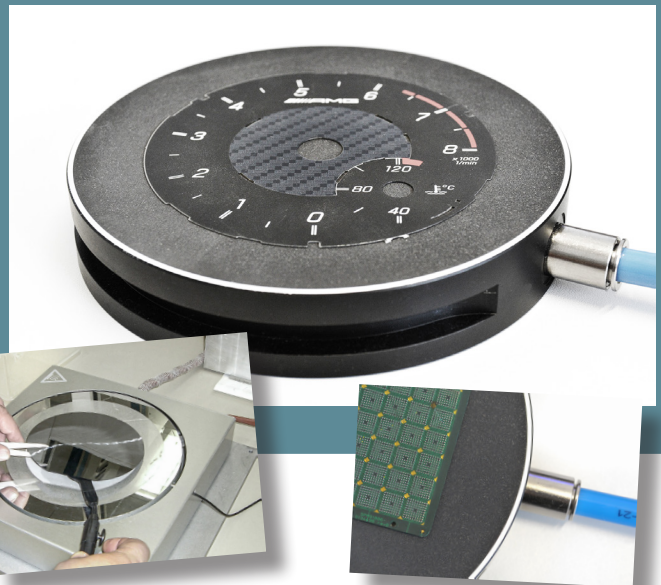
- Measuring and testing processes in the micro or nanometer range.
- Precision machining
- Silicon wafer production

Special advantages

- No deformation of the workpieces as there are no grooves or holes.
- Milling through possible when using a friction booster.
- METAPOR® chucks available in different qualities (e.g. clean room class 10).

Handling

- Modular designs for large clamping areas.
- Workpiece-specific custom-made manufacture possible.



Germany
Witte Barskamp GmbH & Co. KG
Horndorfer Weg 26-28
D-21354 Bleckede
Germany
Tel.: +49 (0)5854/89-0
Fax: +49 (0)5854/89-40
E-Mail:
info@witte-barskamp.de
www.witte-barskamp.de

Asia
Witte Far East Pte Ltd
20 Boon Lay Way
01 – 170
Singapore 609967
Singapore
Tel.: +65-6248 5961
Fax: +65-6898 4542
E-Mail:
info@witteasia.com
www.witteasia.com

USA & Canada
Witte LP
2220 Northmont Pkwy, Suite 250
Duluth, Georgia 30096
USA
Phone: +1 (770) 982 99 32
Fax: +1 (770) 982 99 28
E-Mail:
info@witteamerica.com
www.witteamerica.com

Mexico
Horst Witte de Mexico
S.A. de C.V., c/o Linco
Paseo Opera 4 Int 112-2
Lomas de Angelopolis
San Andres Cholula,
Puebla 72830, Mexico
Phone: +52 222893-8211
E-Mail:
alufix@linconet.com.mx
www.witemexico.com