

Exemplary energy management On the back burner

When it comes to energy consumption, we keep it at a low rate.

This has now been confirmed to us by the successfully completed audit in accordance with Appendix 2 of the so called "Peak Adjustment Efficiency System Ordinance" (Spa-EfV). It proves that Witte operates an alternative system in accordance with the ordinance at all its locations. The efficient use of energy of all consuming systems and devices, its documentation and continuous improvement are confirmed – as an active contribution to environmental protection.



20 years of Witte Far East Pte. Ltd.

Two decades of successful presence in the Far East: In April 2021, Witte Far East Pte. Ltd. celebrated their 20th anniversary.

Its' central location in Singapore enables great access for best possible customer service to the entire Asian region and Australia. Extensive projects are completely handled here with our own 3D design department, local project management and the ability for technical set-up support.

Truly international: The employees of Witte Far East can answer inquiries in English, Mandarin, Malay or German as well as work on deeply involved technical projects and coordinate processes accordingly in the prior mentioned languages. We congratulate our esteemed team in Singapore!

NEW: ALUFIX price list 2021

See for yourself

NEW and effective immediately: ALUFIX price list 2021. With newly calculated prices in all product ranges of the modular ALUFIX fixturing system.

Secure price benefits now by contacting your ALUFIX sales specialist.

ALUFIX
Main catalogue

ALUFIX Classic

ALUFIX Eco

FixBase®

valid from 12.2020

Price list 2021 – Witte Barskamp KG

Fixed on precision **WITTE**

Project implementation on behalf of our customer:

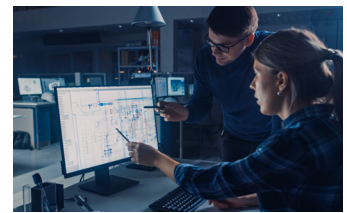
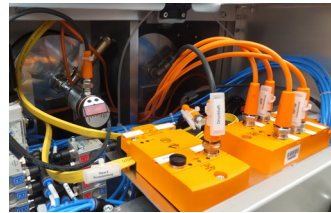
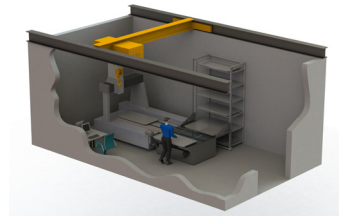
“PROject”: Now added to Witte’s portfolio

What we can do, you have been able to do for a long time?! Hence we will do it together in the future: With PROject, project implementation on behalf of our customers. The concept that opens the door and gives access to all resources and competencies in the Witte process chain. Exclusively for your project, individually down to the last detail. Absolutely confidential!

PROject is the new, comprehensive available service in addition to the classic and proven Witte contract manufacturing. PROject guides your product or system idea from development and testing through production and quality assurance to installation/assembly and final implementation. According to your wishes and your own resources, either as a complete process chain or a individually specified service. Always unconditionally tailored to you.

PROject is backed up by more than 50 years of company experience in manufacturing, fixture and special tool building as well as automation project realization. Based on the most modern design and manufacturing technologies. With an international well-established presence and highly qualified staff in all performance areas.

Witte PROject: Ready to “kick-off” your project, starting today!



What can PROject do for you? Everything that leads to your Success

You have an idea and a market. But nothing else?

Our R&D team brings your vision into shape, develops prototypes and guides them through testing until they are ready for production. Witte produces, individualizes, packs and ships your product. With worldwide logistics and even with installation and commissioning on site, if desired and required.



You have developed and designed. You have come up with a sales strategy. But no manufacturing capability or resources?

No problem, because we manufacture your product according to your specifications and to the manufacturing step defined by you. Simply decide which service modules of our process you want to use – once the defined milestone is reached we will hand the project back over to you.



Your product is ready to go. Now the quality just has to be brought on the way?

Our quality assurance team is at your disposal with state-of-the-art dimensional measurement technology. From then on, our logistics department will be happy to take over all further steps on your product’s path to success. If desired, up to installation/integration and commissioning at the destination.



**Just three examples of strong PROject possibilities.
Just three examples of 100 percent performance.**





Modernizing and keeping up to date

When it comes to e-mobility, we at Witte have a lot in store. We are not only environmentally friendly with our increasingly electrified fleet of company cars – but also where things are stacked high: in the warehouse. For example, with the powerhouse among modern electric forklifts, the Still RX60-80. It not only lifts a good 8 tons with absolutely zero emissions – at the end of its service life it is also 95 percent recyclable!

Manufacturing: New Automation Speeding things up

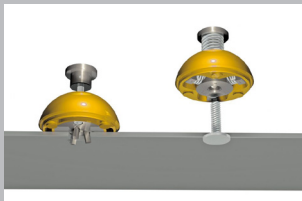
Over 50 manual and CNC-controlled 3- and 5-axis machining centers with milling areas of up to 12,000 x 2,700 x 1,000 mm are in use at the Witte headquarters in Barskamp, Germany. Currently strengthened by a brand new 5-axis machining center with swiveling rotary table and automatic loading function by means of robots and 25 stackable racks for variable lot sizes and kind of parts to be manufactured.



Measuring adapters against „blind spots“

Fixinspect: Exposing the necessary

A measurement point „floating“ in space or deeply sunk at the bottom of the hole? Such and other challenges can quickly become an obstacle in measurement applications or at least become time consuming and possibly influence the documented measurement results. The FIXINSPECT system from Witte promises a solution. It is easy to integrate. It consists of measuring adapters, actual targets and target frames.



The wide variety of optical aides, tactile aides and reference targets not only guarantee the user that they can solve the tricky cases mentioned but also to accelerate the manual or CNC driven measuring process as well as achieve more precise and traceable results.

This is because with Fixinspect adapters and targets, the location of the measurement aide can be determined quicker and more reliable than the actual measurement point. Thanks to defined contact surfaces and precise manufacturing of all Fixinspect components, the coordinates for the respective measurement point can easily be calculated back from the measured values of the adapter.

The Fixinspect product range for tactile and optical measuring

applications offers six solution concepts (special custom-made adapters are also possible upon request):

- **Fixinspect HK** for example, a hemispherical adapter for tactile measurements.
- **Fixinspect PG** with coded dot matrix, which make points that are difficult to detect optically „visible“.
- **Fixinspect TA** are targets and reference marks for photogrammetric measurement and replace the conventional adhesive marks.
- **Fixinspect LT** are used as a measuring adapter to accommodate spherical reflectors when using laser trackers and as a hidden point adapter.
- **Fixinspect FT** feature target measuring adapter with suction cup attachment for smooth and curved surfaces.
- **Fixinspect KR** variable, modular target frame.





Hold-down springs with simple release function:

Technique counts

The new hold-down springs with manual release function from Witte are proving to be successful across all industries.

They have a lever in the spring body that releases the tension with little hand pressure applied. This functionality is also appreciated in woodworking industry, where this particular innovation replaces less flexible solutions of the past.

Approved!

Well Done again: TÜV Rheinland has confirmed the successful completion of the re-audit for DIN EN 9100 and ISO 9001 to Witte Barskamp KG.

This means we once again have the official seal of approval for the compliance of our quality management system.

Vacuum-pumps and -units Basic requirement to create empty space

With a wide range of pumps, units, workstations and liquid separators, Witte creates the basis for efficient and effective vacuum generation.

The product range includes vacuum pumps of various types and sizes with suction capacities from around five to well over 1,000 cubic meters/hour. What they all have in common is their ease of maintenance, the compact design with easy accessibility and, if necessary, the reliable Witte repair service.

Witte compact systems are used to generate vacuum for large-scale vacuum clamping plates: this could be for example, several coupled vacuum pumps, arranged and mounted to a fitted structure in order to save floor space.

They are particularly suitable as central systems, for example for supplying several manufacturing centers equipped with vacuum clamping plates. The performance spectrum of such central systems extends over 1,000 cubic meters/hour of eva-

cuating airflow – with a maximum ultimate vacuum of up to 0.2 mbar absolute. The final system of vacuum generation is, often, completed by manual liquid separators of small, medium and large capacities as well as pump/separator combination devices.

Our automatic liquid separators with a separation capacity of over 100 liters/hour offer additional safety.



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