

Nordrach, Germany, March/April 2008

Excellent grinding technology from a leading provider

With its four operational divisions AUTOMOTIVE, METALWORKING, TOOLTEC and SERVICES, JUNKER offers proven and innovative solutions for almost all fields of precision grinding. At eleven locations, around 1,000 employees engaged in development, distribution and production are contributing to the success of their company, which combines the strengths of a medium-sized company with the capacities of a global player.

2007 was an eventful year for the JUNKER Group. For three quarters, the Group performed according to plan. EMO 2007, however, kick-started an extremely active final quarter so that 2007 ended with more orders than expected. The highly satisfactory order situation for the current year gives JUNKER the opportunity to optimise processes.

Management has also decided to strengthen the Nordrach site as a production location for the JUNKER Group. This will require significant investment in structural measures and production machinery and will give the JUNKER Group the opportunity to grow further.

The global orientation of the company becomes evident when looking at export rates: more than 15% of machines are exported to Asia, 30% to the EU member countries and more than 45% to Germany. The consistent international implementation of basic functions such as procurement, production, distribution and service fits well with these figures. Following on from existing JUNKER Representative Offices in Shanghai and the Chinese capital Beijing, the Asia-Pacific Service Centre for repairs and training, etc. was established at the beginning of 2005 in the Waigaoqiao free trade zone of Shanghai. This independent location now has an import-export licence.

Evolution² platform concept from JUNKER extended

JUNKER is set on expanding its Evolution² machine platform further. After presenting the 6 series at EMO 2005 as the entry to this platform concept, the JUNKER group can now unveil the new 4 and 1 platforms. The key factor is that it is not the grinding technology which has changed but the constructive environment. The consistent modular design for all machine sizes simplifies planning, operation and servicing. Evolution² lowers operating costs and opens up new perspectives for the future with regard to machine extensions and

conversions. Platform 8 will make it clear that we are now also thinking bigger by enabling the largest workpieces to be processed in a precision-tailored machine format in future.

AUTOMOTIVE division

JUNKER offers strategies for automotive applications – particularly for motors, injection and gears – that are fit for the future. These include the cylindrical and non-circular grinding of crankshafts, camshafts and gearshafts, as well as the fine finishing of the most diverse mechanical and mechatronical precision parts. The spectrum ranges from flexible individual machines to the planning, delivery and handling of complete turnkey projects. In the Automotive division, JUNKER can provide comprehensive references for the conceptual design and realisation of production lines. Meanwhile, almost all leading automotive manufacturers rely on customised JUNKER processing concepts. Special solutions for large-scale producers are a further core competence at JUNKER.

One element in the JUNKER philosophy is the complete processing of components in a single clamping. This technique combines high process reliability and systematic cost reductions with low handling expenditure and short cycle times.

In the Automotive division, JUNKER can provide comprehensive references for the conceptual design and realisation of production lines. Upon request, JUNKER also acts as general contractor for the complete full automation solution down to the line's acceptance, including the coordination of sub-suppliers. As a competence centre for development works and system solutions for the automotive and the automotive supplying industry, JUNKER can furnish excellent references.

TOOLTEC division

The JUNKER Tooltec division offers high-performance production machines for the production of tap drills, spiral drills, milling cutters, reamers, indexable inserts and circular saw blades. Whether bulk or limited-lot production, the machines are highly precise, economical and reliable. In Asia especially, whose market is successfully penetrated by JUNKER, pleasing growth has been recorded in the field of cutting tool production. Since the in-house exhibition in autumn 2006, JUNKER has been regaining its former strength in this division. Again, in the Tooltec division JUNKER can demonstrate competence in the conceptual design and realisation of complete production lines.

A new addition from JUNKER in this segment is the PLATEMAT. This machine can be used to process cutting inserts using a totally unique grinding method. The

result is clear: up to 50% shorter production times and previously unheard-of quality.

METALWORKING division

With a totally new sales concept for GRINDOR, the new brand from JUNKER, this division is also ready for the future. Created to be the brand for single part and small volume part manufacturers, GRINDOR stands for market proximity, optimum service and an exceptional price/performance ratio.

The universal silver cylindrical grinding machine presents the new GRINDOR look and has already been launched successfully on the market by JUNKER. Every day, many satisfied customers in both small and large companies find that easy to operate, ideally adapted technology can be purchased at a very attractive price. These machines provide optimised machining quality, high output rates, low auxiliary processing times, easy operation, fast retooling and optimum accessibility. Further options such as automatic balancing systems, longitudinal positioning and measuring systems are of course also available.

SERVICES division

This newest operational division in the JUNKER group was also unveiled at EMO 2005. It is divided into the following three categories:

TRAIN: Here customers will find all services required for fast installation, safe operation and efficient production. To put it more precisely: training and information options for operators, programmers, maintenance staff and the customer's service personnel.

MAINTAIN: This section offers sophisticated servicing concepts and by providing preventive and reactive services ensures that JUNKER machines offer maximum availability for many years.

Last but not least, the **ASSIST** service section: These services offered by JUNKER aim at increasing production output from an existing system through optimisation and modernisation.

RETROFIT services represent a further business unit. Here new life is breathed into old JUNKER machines. Depending on requirements, retrofitters renew and optimise individual parts or add additional new components to JUNKER machines. Following a retrofit, the guarantee period for the machine starts all over again and the same conditions apply as when you purchase a new machine.

In order to offer customers around the globe an even better and faster service, JUNKER Services is expanding its number of branches. JUNKER Services already has its own service technicians or service partners in the UK, Sweden, the US, Brazil, Italy, India and China, with further branches in the pipeline. In future, this will

enable JUNKER Services' technicians and specialists to respond to customer needs worldwide, 24 hours a day, seven days a week.

Quality always comes out on top

Continual development of new grinding concepts tailored to specific customer requirements is one of JUNKER's core competences. JUNKER research and engineering is based in Nordrach, Germany, as well as in development centres in the Czech Republic. All company parts are certified in accordance with the latest DIN standards for quality assurance. This also refers to VDA 6.4 supplementation as requested by the automotive industry.



Erwin Junker
Founder and owner
of the JUNKER Group



Erwin Junker Maschinenfabrik GmbH, Nordrach

Erwin Junker
Maschinenfabrik GmbH
Junkerstraße 2
77787 Nordrach
Germany

Phone: +49 (0)7838 84-0
Fax: +49 (0)7838 84-302
E-Mail: info@junker.de
www.junker-group.com