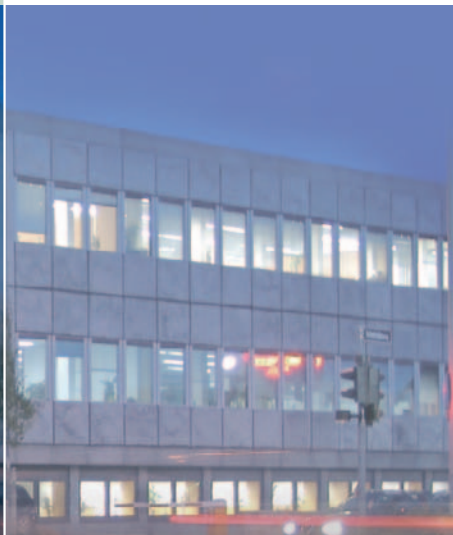




Corporate Image



DEPRAG



Screwdriving Technology



Automation



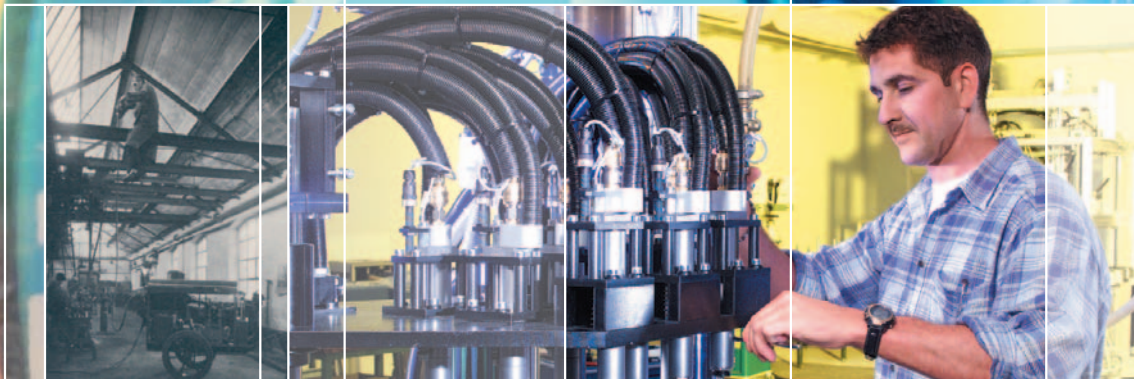
Air Motors



Air Tools

Machine building expertise

through tradition



DEPRAG

Based on our foundation as a classic machine building company we are equipped for the future with top-class technology and modern products.



The history of the family business DEPRAG SCHULZ GMBH & CO. goes back to the establishment of the Bavarian Rifle Factory in 1801. The company was already well-known at that time for combining outstanding technical expertise with manufacturing and developing state-of-the-art products. This industrial experience was utilised in the production of tools, measuring gauges, machinery and for the first time, small air operated machines when



The DEPRAG management team
(from left to right):
Dr. Erik Hallmann,
Ingrid Schulz-Hallmann, MBA,
Dr.-Ing. Rolf Pfeiffer

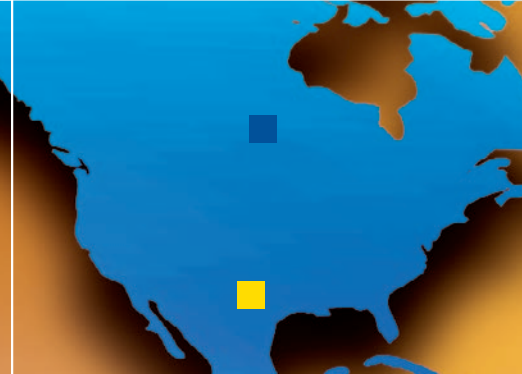
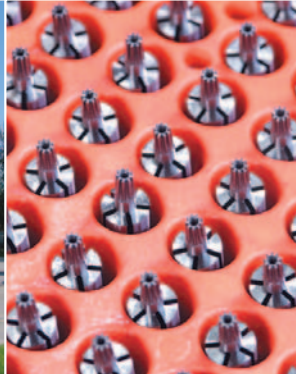
the company was integrated into the "Deutsche Werke" conglomerate in 1918. From these beginnings mechanical engineer Otto Schulz created the "**DEutsche PR**äzisionswerkzeug **AG**" in 1931 and began production of handheld air tools.

In the 50s and 60s DEPRAG enjoyed a very successful period of growth. In 1964 Dipl.-Ing. Carl Schulz, together with his brother-in-law Hans Pfeiffer, took over the management of the company and set the trend for international expansion. A further milestone was achieved in the global orientation of the company in 1981 with the foundation of US subsidiary DEPRAG INC in Lewisville, Texas.

Today, after 87 years of the family business, DEPRAG SCHULZ GMBH & CO. is managed by the third generation of the Schulz-Hallmann family and by the Pfeiffer family.

DEPRAG has production facilities in Germany, the Czech Republic and China as well as engineering, sales and service subsidiaries in France, Mexico, Sweden,

DEPRAG Inc., USA



the USA and United Kingdom. We have a network of exclusive partners in every important industrial country of the world, and are always close at hand for our globally operating clients. Our customers benefit from the entire technical knowledge of our experts combined with the regional experience of our local representatives. Solutions are successfully developed and then quickly and reliably passed on through our worldwide production locations.



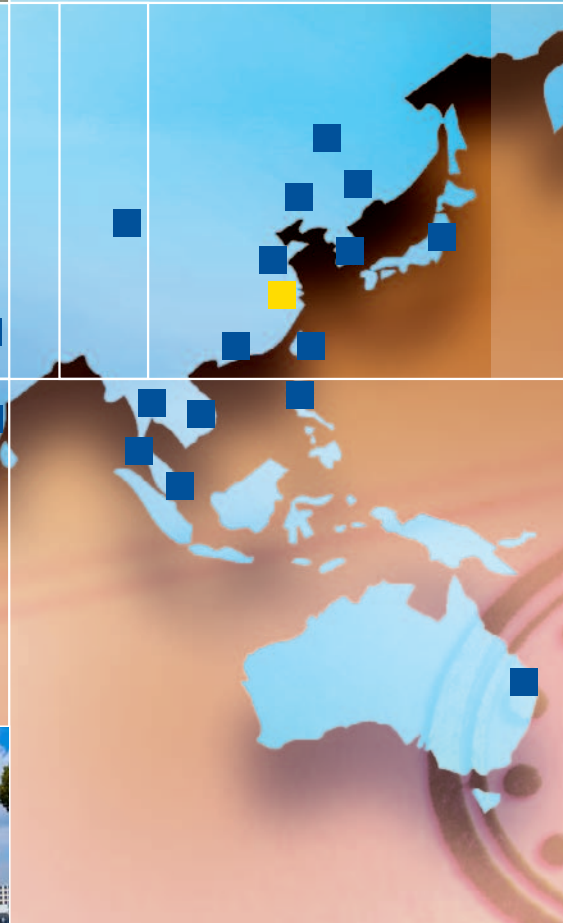
DEPRAG CZ a.s., Czech Republic

Headquarters:
Germany

Subsidiaries:
China
France
Mexico
Scandinavia
Czech Republic
USA
United Kingdom



DEPRAG headquarters in Germany



DEPRAG MEXICO Sociedad de Responsabilidad Limitada de Capital Variable



DEPRAG Assembly Technologies Co., Ltd., China

Sales Partners:

Algeria	Ireland	Russia
Argentina	Israel	Serbia
Australia	Italy	Singapore
Austria	Japan	Slovakia
Belgium	Jordan	Slovenia
Brazil	Lithuania	Spain
Canada	Luxembourg	South Africa
Chile	Malaysia	South Korea
Denmark	Mexico	Switzerland
Egypt	Morocco	Taiwan
Estonia	Netherlands	Thailand
Finland	Norway	Tunisia
Hungary	Philippines	Turkey
India	Poland	Vietnam
Indonesia	Portugal	
Iran	Romania	

Worldwide

partner for complete solutions

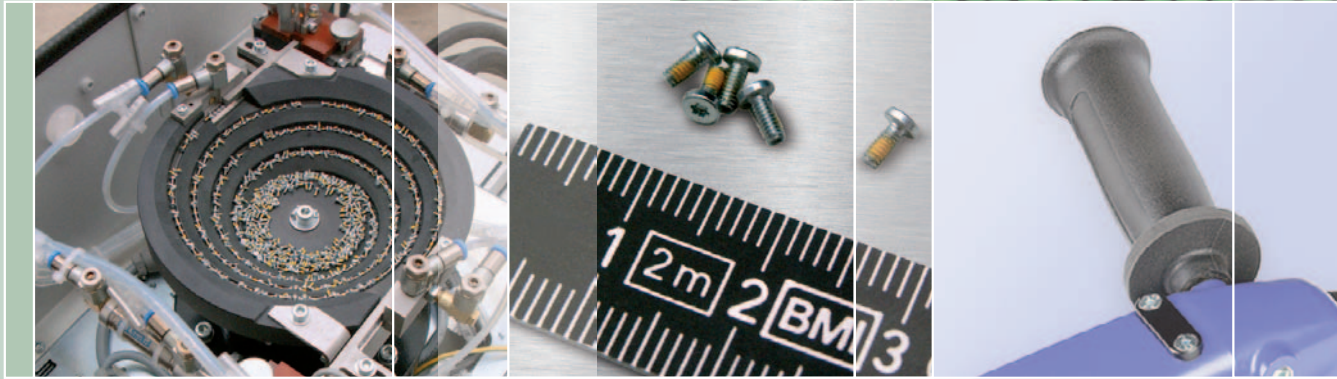
Our 760 dedicated employees worldwide support you with full service solutions for all your production and assembly challenges.

Products

Tools and solutions from specialists

Screwdriving technology

We provide superior technology in all product areas. Our screwdriving technology solutions benefit from the extreme torque accuracy of our shut-off clutch and the renowned robust and reliable design of all our screwdrivers. Screwdriving perfection is our guiding principle and we command undisputed market leadership in many applications.



Automation

Our experience in assembly technology has enabled us to develop first-class solutions. Countless DEPRAG products, such as measuring instruments, controllers and in particular the successful feeding technology, are utilised in our customers' applications. In conjunction with the long-standing experience of our project engineers, we produce assembly machines for a wide variety of client requirements.

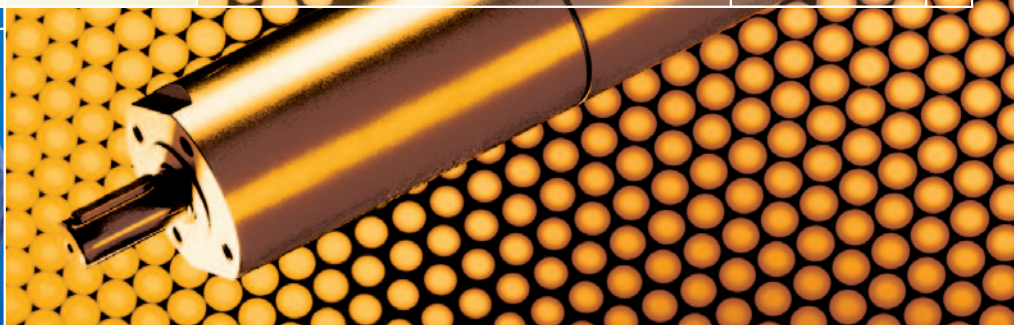
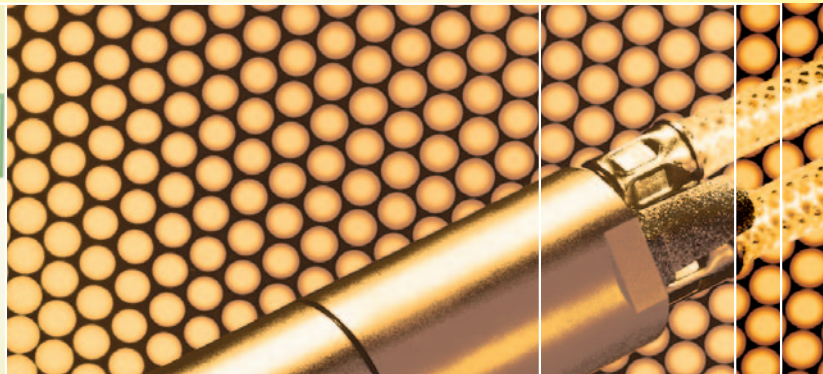


Air motors

Today as ever, air motors are of utmost importance as a drive element for machines and equipment. As market leader in this field we provide an extremely versatile programme for the most varied of applications from the food industry to medical technology.

Air tools

Classic industrial tools such as grinding machines, drills and sheet metal tools are the roots of our company. High performance, reliability and outstanding ergonomic design are the distinguishing characteristics of DEPRAG tools.



The sustained success of our business is ensured by top quality products.

DEPRAG

Partnership

producing outstanding results hand in hand with our customers



We are proud that so many renowned, globally operating companies have chosen DEPRAG as their business partner for assembly solutions.



Electronics, Information technology and Telecommunications



Automotive supply industry



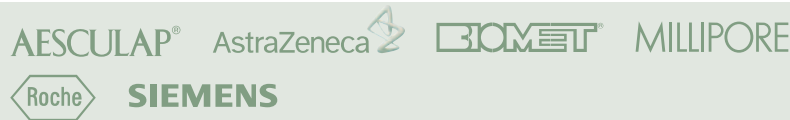
Vehicle and Aircraft industry, Transport and Conveyor technology



Household goods



Medical technology



Tools



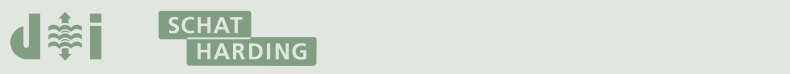
Sanitary technology



Food industry



Ship building



Paper industry



Mining, Iron works, Foundries, Glass industry



Machine building



Waste water engineering, Drain sanitation



Screwdriving technology

First-class technology for your screwdriving applications

Our comprehensive product programme encompasses the entire spectrum of modern, challenging screwdriving applications in the industry.

Whether screwdriving, measuring, recording, analysing or the fully automatic feeding of connection elements – we provide complete solutions tailored to meet your application needs.

Our screwdriving technology range:

Screwdriving tools

We offer a broad catalogue programme of screwdriving tools:

- for manual or stationary applications
- pneumatic or electronically driven
- with torque options from 8 Nmm to 500 Nm
- in various designs for every application

Torque/angle measurement devices

To ensure the reliability of your production process we have a wide spectrum of measurement devices available for a broad range of applications:

- analysis of your individual screw task
- verification of your torque/angle values
- monitoring of your assembly processes
- recording of your screwdriving results
- monitoring, set-up and verification of your screwdriving tools
- calibration service in DEPRAG's DAKkS calibration laboratory (D-K-18255-01-00)

Feeding technology

Automatic feeding of joining elements:

- for manual or stationary applications
- in standardised sizes for connection elements from < M1 to M20
- single, double and multiple feeding
- vibratory drives and centerboards
- choose between models in hose feeding design or pick-and-place procedure

- ergonomic
- reliable processing
- flexible
- ESD safe
- economical



Accessories

A comprehensive range of accessories completes our programme:

- components for system integration
- equipment for your manual work station
- ergonomic, reliable processing guidance of your tools with the sturdy screwdriver stand
- all kinds of tightening tools such as bits and socket wrenches

Individual solutions

An economical and individually adapted complete solution for your screwdriving application.



Applications

Electronics

Information technology and Telecommunications

Automotive industry

Household goods

Medical technology and Diagnostics

Machine building

Sanitation technology



Automation

The very best solution for your production needs

In the most varied of fields, such as telecommunication, electrical technology, automotive suppliers, household goods, sanitary or medical technology, our clients are routinely confronted with new challenges.

We develop superior technical and economical solutions in close collaboration with our clients. This could consist of a machine component, an automation concept based on our DCAM (the modular flexible platform), a micro assembly system or a complex large-scale unit.

Our product range for automation:

Components for machine building

In most assembly units, it is the individual machine components which are decisive for efficiency, availability and cost effectiveness of the system. As experienced assembly specialists we offer a wide choice of tested standardised individual components for systems integration, such as e.g.

- Screwdriving spindles
- Screwdriving function modules
- Feeding technology
- Measurement technology
- Controller technology

Work station equipment and accessories

For your manual production applications we provide a comprehensive programme of work station equipment and supplementary accessories for reliable processing.

Standardised assembly systems

Screwdriving, labelling, palletising, clipping, pressing, laser inscribing, ultrasonic welding, testing, gluing, - the DEPRAG assembly modules allow numerous functions to be realised at low cost. We implement a compact modular system for the design of your assembly units.

- DCAM (DEPRAG COMPACT ASSEMBLY MODULE)

- reliable processing
- efficient
- economical
- wide range of conversion options



Assembly and test systems for drainage valves

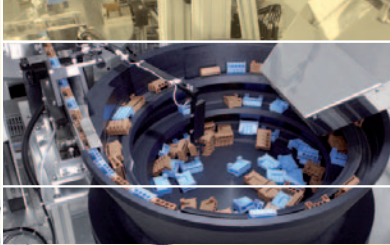
Screwdriving and assembly systems

We provide customer specific solutions for your individual requirements.

Our engineers have obtained extensive knowledge through the planning and implementation of countless numbers of assembly systems.

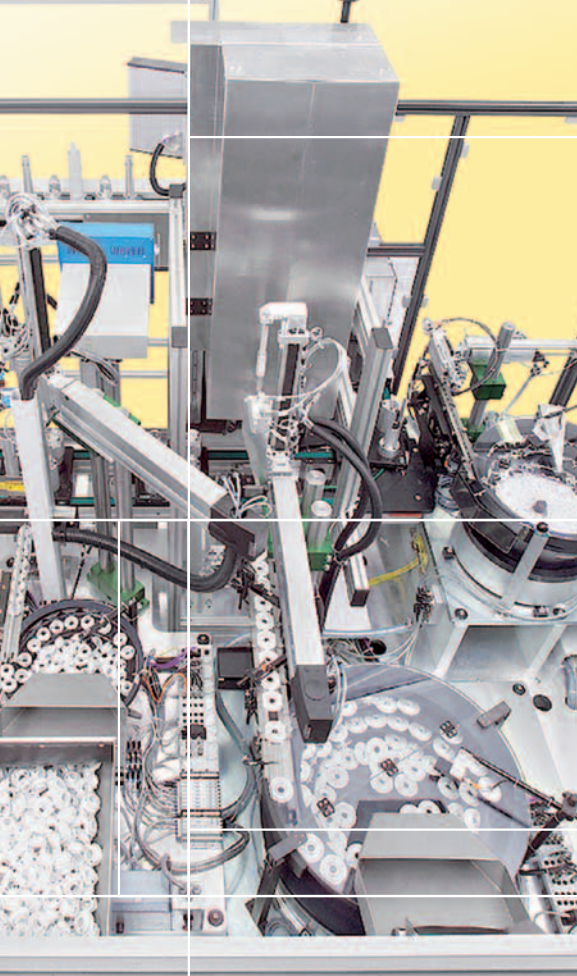
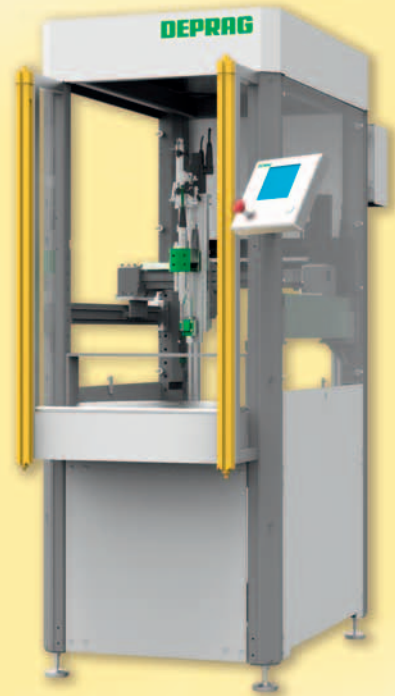
In most cases, we draw on our experience from tried and tested solutions.

We focus on our own components and proven specialist knowledge.

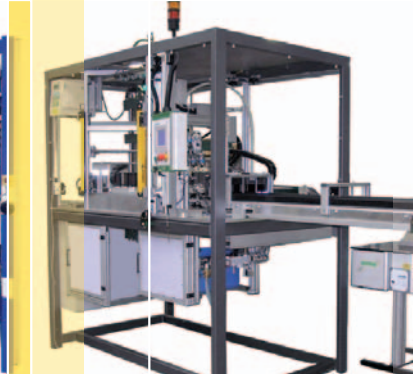


Feeding of
terminal blocks

DCAM



Screw assembly of a radiator grille



Screw assembly of anti-vibration handles

Applications

Electronics

Information technology and Telecommunications

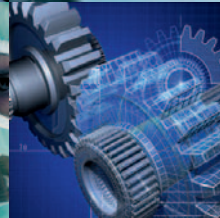
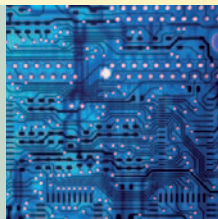
Automotive industry

Household goods

Medical technology and Diagnostics

Machine building

Sanitation technology



Air motors

Made-to-measure drive solutions

Air motors are safe and robust drive systems. They are typically used when an overload-safe and high performance drive is required. Above all, air motors will function when conventional drive technology stops spinning.

Depending on your specific application, our air motors come into play when you need e.g. an oil-free operable, sealed motor resistant to cleaning agents for the food industry or sterilisable motors for the medical industry. Our motors can also be used for special application conditions, such as the resilient milling robot drive for drainage repair, and our ATEX conform complete system of motor – brake – gears for use in potentially explosive environments.

We will determine the most economical and safe drive solution for your application. This could be a motor from our catalogue programme or even a complex system solution.

Our product range of air motors:

Air vane motors

■ BASIC LINE:

Our low-cost and robust motors are intended for a normal production environment. You also save valuable production time due to our QuickVchange vane exchange system.

■ ADVANCED LINE:

This product line features stainless steel vane motors available in the power range 20 W to 1.2 kW.

■ POWER LINE:

The product range covers a wide spectrum of high performance motors from 1.6 to 18 kW. They are highly versatile, reliable and have a long life-span.

■ Grinding, milling and drilling motors:

These motors are designed for installation in your machine. They are space-saving, precise and high-powered.

■ Brake motors:

The low-cost solution from our standard programme of air motors with integrated brake system.

- explosion safe
- long life-span
- service friendly
- stainless steel
- compact
- sterilisable



Explosion safety conform system: Air motor - brake -

■ INDIVIDUAL LINE:

This product line offers great value customisations based on our modular principle, from an individual motor or a customer specific package up to a complete system solution.

Tooth-gear motors

These high-power drives are developed individually to fit your application. They are suitable for continuous use and have no wear parts.

Turbines

Our high-power drives guarantee an optimal performance weight with low air consumption. They are efficient and suitable for continuous use.

Turbines are designed for your specific application and produced on a customised basis.

Air tools

Traditional quality tools

As an industrial user you will have the highest demands for a handheld air tool.

DEPRAG air tools are distinguished by their long life-span, power density and user friendliness. Effortless performance is guaranteed – even when working on areas which are difficult to reach.

The air tools from our company are distributed worldwide under the brand name DEPRAG INDUSTRIAL.

Our product range of air tools:

■ Grinding machines

From the smallest grinder with a speed of 100,000 rpm to a heavy industry angle grinder with a grinding disc diameter of 230 mm. Our broad spectrum also includes a grinding machine with turbine technology which is characterised by optimal power density. Our angle grinder with a grinding disc diameter of 125 mm and extraordinarily high power of 2.2 kW weighs just 1.8 kg therefore allowing effortless operation.

■ Polishing machines

Suitable for grinding and polishing flat or curved surfaces in bodywork construction, smoothing welding seams or for polishing steel and cast parts, the areas of application are endless.

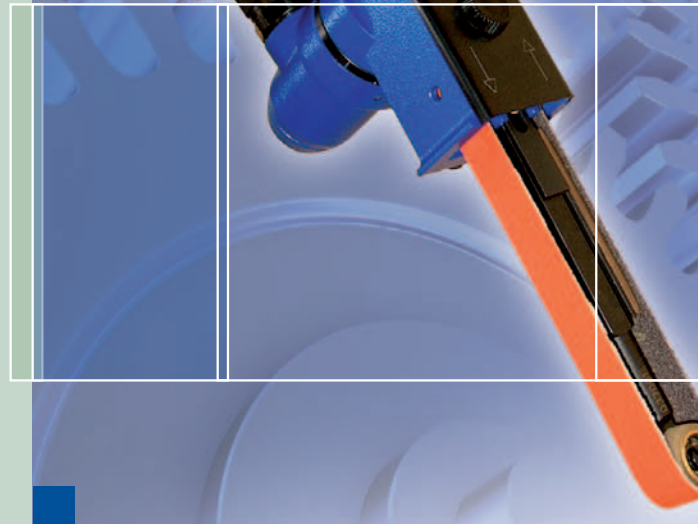
■ Drilling machines

The choice ranges from handheld drills in pistol design e.g. for the aircraft industry, to an extensive programme of drilling machines in straight design up to angle drills from 170 W to 2.2 kW for the steel industry.

■ Impact wrenches

For fast and easy handling when loosening or tightening screw joints from M6 - M36. Versatile tools for use in diverse applications, such as in the automotive industry.

- explosion safe
- optimal performance weight
- long life-span
- precise
- ergonomic



■ Hammers

From sophisticated chisel hammers for sculptors to high power jackhammers for road building and quarries.

■ Pliers

The small, strong aid used for cutting, bending, filling, crushing, stripping and in quick assembly.

■ Sheet metal machines

A choice of high power tools which offer the best solutions for your cutting tasks in sheet metal processing.



Applications

Mining, Off-shore industry, Foundries

Automotive industry

Machine building

Steel industry

Ship building

Aircraft industry





Vision
DEPRAG

We pursue a consistent strategy of economic success which ensures the enduring independence of our company.

Market leader through innovation

Constant innovation and customer focus in the classic product lines of screwdriving technology, automation, air motors and air tools secure our market leadership.

DEPRAG – your partner worldwide!



Quality - basis for sustained partnership

We are dedicated to the production of high quality products and services.

Our high standards guarantee long-lasting and successful partnerships with our clients.

Brainpower - engineering with passion

Only with the most dedicated employees can we realise our innovative solutions. We value a comprehensive education, continuous individual technical training and long-term experience.

Production – your product: a customised solution which fulfils your highest requirements

In accordance with tradition we have a highly developed range of in-house production. We therefore make extensive investments each year in our machinery. The latest 5-axis machining centres are only one example of our equipment used in the efficient manufacture of high precision parts.

Precision – down to the smallest detail. Every part, every machine, every day 100 %.

Highest precision in production ensures the highest degree of efficiency and the extraordinary reliability of our products.

The final fine-tuning with an accuracy of less than $\frac{1}{1000}$ mm is performed on DEPRAG tools in our state-of-the-art grinding shop.

Flexibility – mobility towards our common goal

Our flexibility is evident in our machinery. Fast convertibility, simple programming and high geometric flexibility are paramount to our success.

Responsibility – the big picture

Our production is also focused on efficient handling of raw materials and energy. Our waste management complies with the highest environmental standards.

DEPRAG

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D-92224 Amberg

Germany

Tel. (+49) 9621 371-0

Fax (+49) 9621 371-120

www.deprag.com

info@deprag.de