

schwartmanns
we are the difference

PRODUCT CATALOG

MACHINES

SOFTWARE

SERVICE

HIGH END

Power packs for sheet metal

The latest generations

CUTTING

ROUNDING

DECOILING

BEADING

PUNCHING

BENDING

Schwartmanns Maschinenbau GmbH | Haps-Sachs-Strasse 28 | D-50389 Wesseling

www.schwartmanns.de

made in germany

Realized with passion. Handmade with expertise.



For over **60 years**, Schwartmanns has been synonymous with **high-quality sheet metal processing machines in the insulation industry.**

Dear business partners, customers, and friends,

It fills me with pride to present to you our latest product catalog.

For over 60 years, we have been active in the insulation industry, specializing in high-quality sheet metal processing machines. This catalog represents the essence of what Schwartmanns stands for. It is the culmination of decades of research, innovation, and above all, passion for what we do.

I would like to take this opportunity to thank each and every individual in our team. Every machine, every part, and every detail you find in this catalog is the result of countless hours of hard work, deep technical understanding, and an unwavering pursuit of perfection. Our commitment is to ensure that you can rely on Schwartmanns at every phase of your project. Whether it's consultancy, selecting the right product, or service, we take pride in being at your side.

Discover our product range now and witness how Schwartmanns continues to evolve.

Best regards from Wesseling,



M. Schwartmanns



ULTRA / CUT

Our top model

The ULTRA-CUT represents the pinnacle of technology in sheet metal processing. With an impressive high-end fiber laser power of 1.5 kW, it is capable of working directly from the coil and handles sheet widths of up to 1500mm with unparalleled precision. Whether cutting or marking - the ULTRA-CUT efficiently and accurately handles all tasks to create all desired formed parts. The included software package ensures intuitive operation and process control. With an acceleration of up to 2G, it guarantees not only the highest precision but also impressive speed that elevates your production to the next level.

- | High-end fiber laser cutting system with 1.5 kW power
- | operates directly from coil up to 1500mm sheet width
- | cuts and marks all required formed parts
- | includes complete software package
- | acceleration up to 2G.

from **5.000€***
month.

smart
connected | 



Works
directly
from coil

TII Technische Isolierung
Product of the Year
2022
Short List
ULTRA-CUT Laser Cutting Machine

Uni Cut

Universal cutting system

smart
connected | 

The long-awaited successor to our universal cutting system, the UNI-CUT, redefines precision and user-friendliness in the insulation industry. It comes equipped with specially developed software, state-of-the-art motor and control technology, and an ergonomic, movable control panel with a 21" touchscreen. The innovative scrap sheet automation and continuously adjustable cutting speed of up to 30m/min during the machining process optimize material consumption and enhance efficiency, while the easily accessible machine frame simplifies maintenance at any time.

- | Cuts, drills, and marks all necessary shaped parts
- | Ready-to-use, pre-cut sheet metal segments
- | Unique scrap sheet automation for saving and reducing sheet metal consumption.

from **2.500€***
month.



Flex Cut

Cutting, punching, beading

smart
connected 

Our FLEX-CUT is a multifunctional cut-to-length system that cuts, beads, and grooves sheets. It features fully automatic sheet edge recognition and a multilingual control panel for quick and straightforward inputs. Thanks to the integrated control linkage with our universal cutting systems, direct data transfer is possible, significantly simplifying operation.

Cutting, punching, and beading in a single step.

Fully automatic sheet edge recognition via light barrier

no need for reference cut. Quick and straightforward input through high-resolution, multilingual control panel.

Beading unit with interchangeable beading rollers.

from 1.500€⁺
month.



Easy Cut

Quick sheet metal cuts

smart
connected 

The EASY-CUT is a compact cut-to-length system that automatically straightens and cuts sheets. It features a robust eccentric table shear for precise cuts and a straightening unit with variable speed. Its functionality can be expanded with optional longitudinal cutting equipment and a 5-roll straightening unit. Thanks to the integrated control linkage with our universal cutting systems, direct data transfer is possible, simplifying operation.

Robust, durable eccentric table shear for precise cutting

Exact length measurement via rotary encoder

Quick and simple input through a 5.7" touch display

Optional version available with additional longitudinal cutting equipment and 5-roll straightening unit.

from 500€⁺
month.





We strive to provide you with an experience of the highest quality and precision. Our goal is to ensure that you and your team can expertly operate, program, and maintain your Schwartmanns machines from the outset. Our experienced trainers impart all necessary skills to you and your employees in a practical and efficient manner.

The foundation of this endeavor is our comprehensive basic training, which occurs simultaneously with the commissioning of your machine. This training serves as the cornerstone for optimal utilization and maintenance of your equipment. Should there be a change in operating personnel, we offer ongoing training sessions

at any time to ensure consistent and expert operation.

At our Academy, we empower your staff for independent and efficient work with our machines. Upon completion of the training, each participant receives a certificate confirming their competence and expertise. Our trainers, equipped with extensive service experience, conduct training sessions either directly at your location or at our state-of-the-art facility in Wesseling. There, they precisely impart the knowledge necessary to unleash the full potential of your Schwartmanns machines.

WST

so tough ...

Our WST Hand Lever Guillotine Shear combines lightness with precision, equipped with high-quality hardened steel blades and a maintenance-free, adjustable knife beam. Its large support table and swing-out sheet metal holder allow for versatile cuts, while the precisely adjustable width stop with a millimeter scale facilitates cutting even narrow strips.

- | **Hand lever guillotine shear with stainless steel blades for maximum durability**
- | **heavy-duty, stable construction**
- | **parallel adjustable width stop with millimeter scale.**



learn.do.earn

KSH/M

Beyond the plate's edge.

Our circular shear is ideal for cutting circles from steel, stainless steel, or aluminum. It is characterized by a durable, robust construction and comes with a reinforced base for easy transportation. Operation is convenient via a foot pedal with two speeds, while the measurement scale and handwheel allow precise adjustment of the diameter and blades. The quick cutting gap adjustment and maintenance-free blade shafts ensure efficient and low-maintenance use.

- | Motor-/hand-operated circular shear for cutting end discs
- | Measurement scale for diameter adjustment
- | Quick and easy cutting gap adjustment through an adjusting ring
- | Maintenance-free bearing of blade shafts



Construction site machines

SMW + ZSV - The Power-Duo

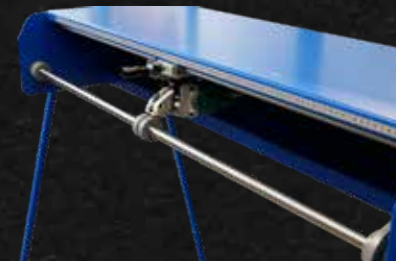
- | Compact, lightweight (6kg), yet robust and durable enough to withstand rigorous construction site usage
- | Attachment via pipe clamp to the scaffold or using an optional mounting base for the table



SMW 50.20
With a 230V motor drive



SMW 50.00
Optionally available with a transport case



ZSV
Also available as a battery-operated variant!

- fitting piece machine for construction site spacers
- featuring a high-quality cutting unit for burr-free cuts
- Robust yet lightweight
- with quickly detachable legs featuring an integrated storage bag
- Rear handle for easy transport

Construction site machines

portable beading machine

Our latest model, the Beady, is a cordless beading machine designed specifically for on-site use at construction sites. Equipped with two powerful 5.0 Ah batteries, the Beady ensures continuous power for efficient operation. It offers the capability to create a 50mm offset bead and features a side-mountable handle for optimal handling. Additionally, the Beady is characterized by its maintenance-free design, making it a reliable and durable tool on any construction site.

- | Battery-powered beading machine specifically designed for construction sites
- | Includes two 5.0 Ah batteries for continuous power
- | Capable of creating a 50mm offset bead
- | Optionally attachable side handle



BEADY

Battery-powered bead rolling machine designed specifically for construction sites

Charger

2x 18V batteries with 5.0Ah

each 1 pair of rolls V1 and V3

1 roll nut wrench

pipe clamp

handle

transport case



Transport case

RSM

Rounding and beading in just one step

The Round Bead Machine RSM 1 allows you to round and bead meters of pipes in just one operation. Equipped with a 230V connection, it applies both positive and negative beads in a single pass, shaping the pipe. The speed is continuously adjustable, allowing you to customize the working pace. With the optional 50mm offset bead, the machine offers additional flexibility, enabling you to attach the bead either at the left or right end of the pipe. Additionally, the RSM 1 is also available in a wider 1.25m version (RSM2) to meet your specific requirements.

- | Simultaneous rounding and beading of meters of pipe in just one step
- | 4-roller arrangement for a perfect result
- | Infinitely adjustable speed
- | Optionally, a 50mm offset bead is possible on both sides



WSRM

Something round

Our motorized round bending machines are equipped with state-of-the-art control and an integrated transport device for easy mobility. They offer continuously adjustable working speed, dual safety controls, and straightforward 230V connection. The machine enables precise, rounding and features maintenance-free dry slide bearings for durability and minimized maintenance effort.

- | Continuously adjustable working speed
- | Dual safety controls - emergency stop pull cord or button
- | 230V connection with Schuko plug for quick and uncomplicated setup
- | Three-shaft drive
- | Mechanism for conical rounding by lowering one end of the back shaft
- | Swiveling top shaft for removing very small diameters
- | Diameter adjustment via ratchet lever
- | Maintenance-free dry slide bearings



WSRV

Handcrafted

The manual round bending machines, WSRV, now come with a reinforced base for easy mobility. They enable Conical rounding by lowering one end of the back shaft and feature a swiveling top shaft for small diameters. Diameter adjustment is conveniently done via a ratchet lever, while maintenance-free dry slide bearings ensure durability.



- | Hand-operated round bending machines
- | up to 2 meters in width and 2mm sheet thickness
- | featuring a swiveling top shaft for removing very small diameters
- | Maintenance-free dry slide bearings

WSRN

Small, but exquisite

Our WSRN is a hand-operated round bending machine, ideal for manufacturing small diameters from approximately 40mm, depending on the material and sheet thickness. Its robust construction and easy handling are its standout features. The asymmetrically arranged, maintenance-free work shafts and the easily swung-out top shaft with locking bearing offer high precision. The lower and back shafts can be easily adjusted from the outside, with the lower shaft adjustment made using a handle and clamping lever, and the back shaft adjustment via a ratchet lever and toothed segment, enabling precise and reproducible settings.

- | Hand-operated round bending machines specifically designed for small diameters
- | featuring a swiveling top shaft for removing very small diameters
- | Diameter adjustment via ratchet lever
- | maintenance-free dry slide bearings

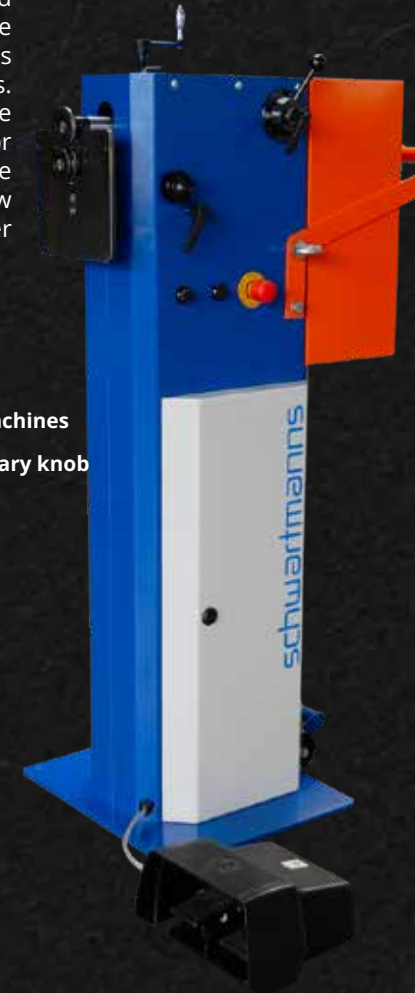


S1

The latest generation

The S1 is a motorized beading machine distinguished by its energy efficiency, consuming 70% less power than comparable models. Its stop plate can be quickly and precisely adjusted using a rotary knob, and thanks to the transport rollers, it is as mobile as a hand truck. A lockable cabinet provides secure storage for rollers and accessories. The machine features continuously adjustable working speed, a switch for tapping or continuous operation, and a large stop plate with interchangeable, hardened pre-screw plate. It comes standard with a 230V power supply.

- | 70% less power consumption compared to similar beading machines
- | Quick, millimeter-precise adjustment of the stop plate via rotary knob
- | As mobile as a hand truck thanks to transport rollers
- | Lockable cabinet for rollers and accessories
- | Standard 230V power supply



SMA 56/80

The professional standard in every workshop

The SMA is a workshop beading machine known for its robustness and multifunctionality, ideal for intensive workshop use. It offers continuously adjustable working speed, a sturdy, low-maintenance construction with a powerful motor, and a large stop plate with an interchangeable, hardened pre-screw plate. The quick switch between tapping and continuous operation, along with the standard 400V connection (optional 230V at no extra cost), enhances flexibility. The standard accessories include an electrical safety control, a foot switch, a 16 Amp device plug, a roller nut wrench, and six pairs of rollers (V1 - V3, B, Z, U7), making the SMA 56 the ideal choice for professionals.

Accessories

A bead rolling machine, many possibilities



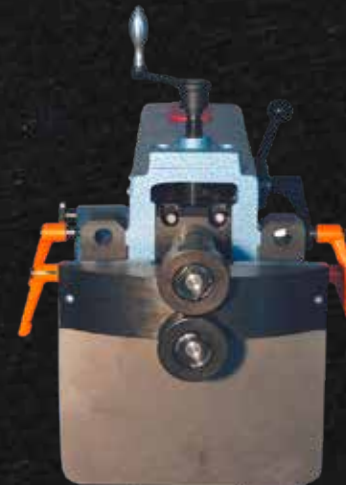
turning and draw-in-slide



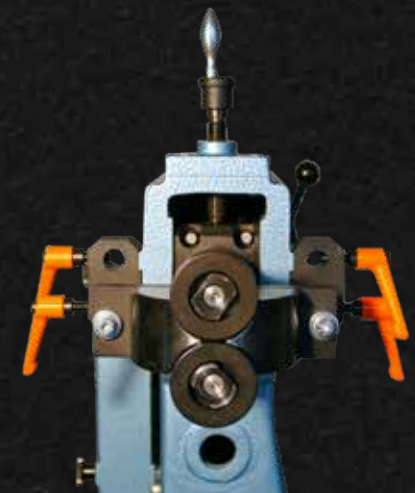
Flanging device



- | Continuously adjustable working speed
- | Button for tapping or continuous operation
- | Robust, low-maintenance construction with a powerful motor
- | Large stop plate with interchangeable, hardened pre-screw plate



t-piece guide



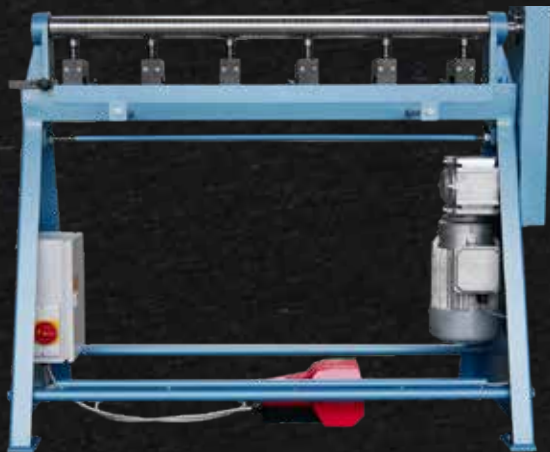
t-piece guide for inner
cutouts

RLM/RLP/ RLF/RLH

Precision holes in seconds

The motorized punching machines Type RLM 1 and RLM 2 are designed for efficient punching of sheet metal cladding in the insulation industry. They feature a worm gear motor and chain drive that powers the eccentric shaft and are operated via a foot switch. The punching units for accommodating the hole cuts (punch and die) are adjustable on the machine table and can be individually customized in quantity and diameter (2.5-6.0 mm). The distance of the holes from the sheet edge is infinitely adjustable by width stops, while an infinitely extendable table extension ensures optimal support for the sheets to be punched.

- | Hand, foot, pneumatic, or motor drive - the choice is yours
- | Comes standard with 6 punching units, expandable up to 10
- | Optionally available as a through-feed version for punching sheets of any length
- | With extendable table extension for sheet support



RKP 3

Segment punch

The Segment Punch Type RKP 03 is equipped with pneumatic drive and is ideal for punching screw holes on pipe segment blanks. It offers a working length of 300 mm and can process sheets up to a thickness of 1.2 mm. The machine features two punching units with a hole cut of 3.3 mm and a reach of 25 mm. The smallest possible hole distance is also 25 mm. The segment punch operates at an operating pressure of 6 to 8 bar and has a net weight of approximately 40 kg. Additional punching units and other diameters are available as special accessories upon request.

- | Segment punch with pneumatic drive for punching screw holes on segment blanks
- | Standard hole cut: 3.3mm

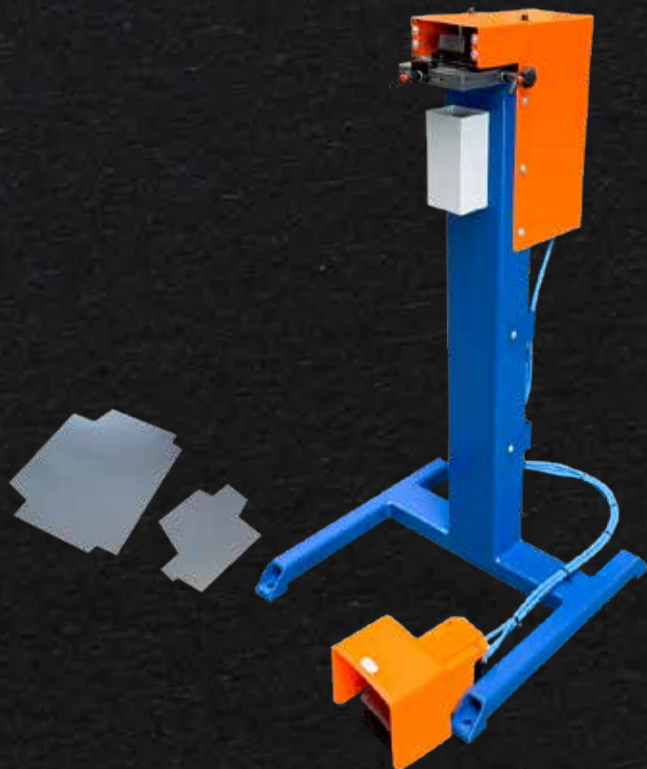


AVK

Notching machine

Our Notching Machine AVK is a specialized punch with pneumatic drive designed for precisely notching the corners of blanks for valve caps. It is equipped with two stops that allow precise adjustment of the depth and width of the notch. The operation is comfortable and secure via a foot switch.

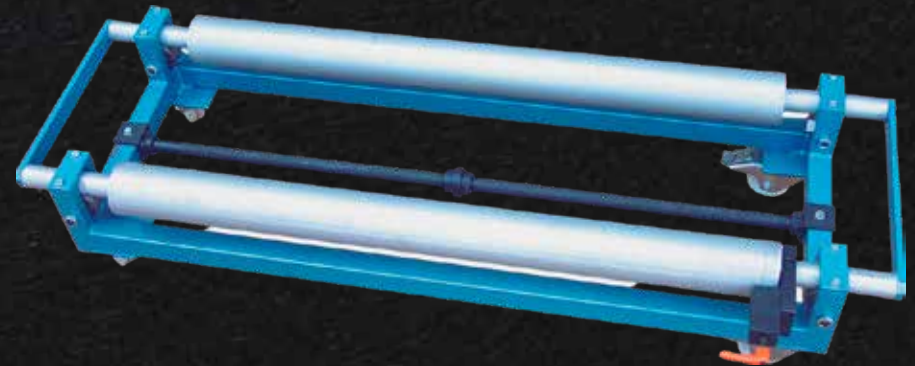
Specialized punch with pneumatic drive for notching the corners of blanks for valve caps



CA 2&3

Pendulum decoiler

Our pendulum decoiler is ideal for uncoiling small coils up to a weight of 1000 kg. It features ball-bearing, swinging support rollers that effectively compensate for inaccuracies in coil extraction.



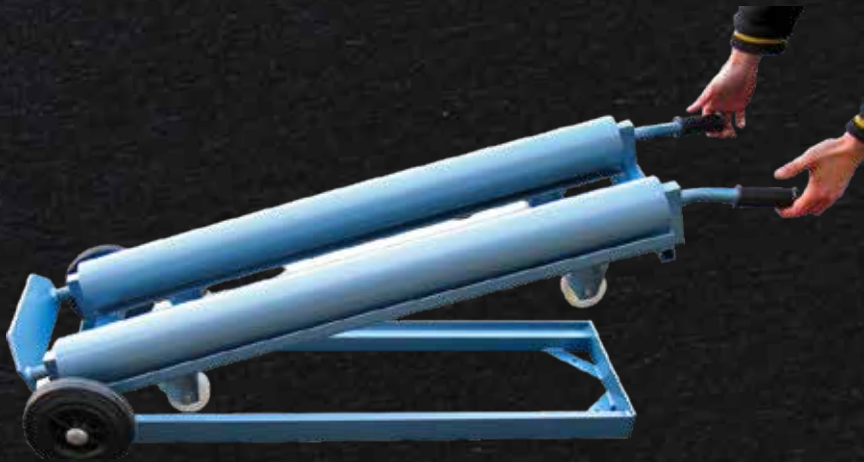
TAF 1&2

Transport- and decoiling device

The TAF 1 / TAF 2 is a transport and decoiling device that transports small coils like a hand truck. In a horizontal position, smooth support rollers enable easy sheet extraction. Thanks to the included base frame, the device swings to compensate for coil inaccuracies. The load capacity is 150 kg each, with the TAF 1 capable of accommodating coils up to 1000 mm in width and the TAF 2 up to 1250 mm. The weight, including the frame, is 43 kg for the TAF 1 and 54 kg for the TAF 2

Small coils can be transported like with a hand truck

When using the base frame, the device compensates for coil inaccuracies by swinging



CD 1&2

Expandable mandrel reel

The CD expandable mandrel reel is a versatile decoiler equipped with five tension arms and a manually adjustable unwinding brake. Both models have a load capacity of 2000 kg. The CD 1.02 can handle coils up to 1000 mm in width, while the CD 2.02 is suitable for coils up to 1250 mm in width. Both variants have an expansion range from 260 to 530 mm. A mobile version with four swivel casters, two of which have locking devices, is available as a special edition. Other versions and sizes are available upon request.

Expandable mandrel reel for large coils up to 2 tons in weight

equipped with an adjustable brake



isoconnect

by schwartmanns

Isoconnect represents an innovative digital software solution designed specifically for efficient and precise measurement creation using a tablet or laptop. This advanced application allows for the creation of professional measurements in just three simple steps, significantly simplifying and expediting the workflow.

The first step in the Isoconnect process involves utilizing the project manager. Here, you input all relevant project data. This centralized data capture is crucial as it forms the foundation for all subsequent steps, ensuring that all necessary information for the project is available.

The second step involves accessing a standardized parts library. This library offers an extensive selection of required components that can be chosen to meet the specific requirements of your project. The intuitive user interface makes selecting the right components easier, saving time and enhancing accuracy.

The third and final step enables

you to create workshop orders, 3D screenshots, or delivery notes with just a few clicks. These functions are particularly valuable as they allow for quick and efficient communication and documentation of the entire project.

A significant advantage of Isoconnect is its seamless integration with existing Schwartmanns cutting systems. If you already own a cutting system from Schwartmanns, you can directly send the cutting data to your machine. This eliminates the need for re-inputting data and optimizes the entire production process. This direct connection between software and machine achieves high efficiency and accuracy, leading to significant time savings and a reduction in errors.

Isoconnect is a powerful, user-friendly software that revolutionizes the measurement creation process. It provides a quick, precise, and efficient solution tailored perfectly to your needs. With Isoconnect, you invest in forward-thinking technology that simplifies your daily workflow and boosts productivity.

isodot

Laser-based measurement tool for isoconnect

Our innovative measurement tool, Isodot, a key component in the digital transformation of the sheet metal processing industry, is the result of our continuous efforts to integrate advanced technologies into our work processes. In perfect symbiosis with our measurement software, Isoconnect, Isodot offers a direct Bluetooth connection to your tablet, enabling seamless and efficient data capture and processing.

The integrated camera in Isodot is specifically designed to precisely target the laser point on the object being measured. This function ensures exceptional accuracy in data capture, thereby ensuring the quality of our end products and minimizing the risk of errors.

Once the measurement is completed, the data is immediately visualized in three dimensions in Isoconnect. This instant visual representation allows for quick review and editing of the captured measurements, significantly speeding up the entire measurement process.

Another outstanding feature of Isodot is its ability to transfer measurement data directly through a cloud service or company-specific sync service to our workshop. This efficient data transmission facilitates a smooth transition from measurement capture to production, saving time and increasing productivity.

The precision of Isodot is impressive and essential for our high-quality standards. With a minimal deviation of only 0.03% over a distance of up to 10 meters, Isodot sets new standards in precision measurement.

The independence from external power sources due to the integrated, replaceable batteries enhances the flexibility and mobility in using the device. This is particularly advantageous in environments with limited access to power sources.

Through the use of Isodot, we can significantly reduce the use of tools such as ladders, scaffolding, or lifts. This not only contributes to cost savings but also enhances workplace safety.

TRY 1 MONTH FREE NOW!



Services



**Needs assessment and
project planning**



**Free of Charge
workshop planning**



Financing and leasing



**Accessory and Spare
Parts Service**




**Maintenance and Repair
of Machinery from all
Manufacturers**



**Installation and
Commissioning**

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Thank you for 60 years

Best partners - Best team

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