



WE FROM HAEUSLER...

...plan, develop, design and much more - In short: "We have the solution for your problem!"

For 85 years now, we have been striving to inspire our customers worldwide with our products and services. We succeed in this on the one hand with our many years of experience, and on the other hand with the pioneering spirit that we have retained from our founding days. This makes it possible for us to continuously push back the boundaries of what is feasible and thus to technology leader in the field of forming technology.

Mechanical engineering is our profession - our vocation is working in partnership with our customers.

Jürgen Freund, CEO of HAEUSLER

Treund





PRODUCT RANGE OVERVIEW



SERVICES

Global Services	4
Remote Services	Ę



PLATE BENDING

BENDtronic® CNC control	8
EVO 4-roll plate bending machine	12
VRM 4-roll plate bending machine	14
HDR 3-roll plate bending machine	16
FKB Wing-edge plate bending machine	18
RMS Large pipe plate bending machine	19
SPBM Ship's plate sheet bending machine	19



PRODUCTION LINES

LSAW Pipe Mill Large Pipe production line RB(E)	22
LSAW Pipe Mill Large Pipe production line JCO	24
Wind Mill anadustica line	24



| PROFILE BENDING

PRV 4-roll profile bending machine	30
VPR 4-roll profile bending machine	30
BB 3-roll profile bending machine	30
RBA 3-roll profile bending machine	31



INSTALLATION EQUIPMENT

Crocodile: Universal clamping & welding device	34
CRWM: Longitudinal seam tack	
welding machine	35



| SPECIAL FORMING

RI Straightening machine	38
NABM Post bending machine	39
CMR Fullbody Expander	40
CM Calibration machine	41

SERVICES

WORLDWIDE

SUPPORT

To ensure your productivity, HAEUSLER offers a wide range of support solutions - in other words: "You are in good hands worldwide!"

→ HAEUSLER.COM/EN/GLOBAL-SERVICE



TRAINING & INSTRUCTIONS

We train your operators and maintenance personnel at our premises or on your machines.



& MAINTENANCE

As part of regular maintenance, we replace wearing parts or carry out an overhaul of the machine.



RETROFIT

& UPGRADE

Economical aspects often favor modernization over the purchase of a new machine.



SPARE PART ORDER

If a component is defective,

HAEUSLER Global Service supplies almost any spare part worldwide.



KNOW-HOW

& PFRFORMANCE

HAEUSLER Global Service stands for forming technology. Since over 85 years knowledge is built up and continuously passed on.



CUSTOMIZED

SERVICE CONTRACTS

You will receive premium service packages individually tailored to your needs.

REMOTE SERVICES

REMOTE SUPPORT

SERVICES

The HAEUSLER support packages provide fast and uncomplicated help in the case of technical issues or malfunctions to minimize your downtimes.



Hotline support up to 30 minutes, then support via AR or RA.



AUGMENTED REALITY (AR)

With our innovative AR-App our team supports you directly at your HAEUSLER machine.



REMOTE ACCESS (RA)

We provide technical support by directly connecting with your HAUESLER machine.



SERVICE PACKAGE

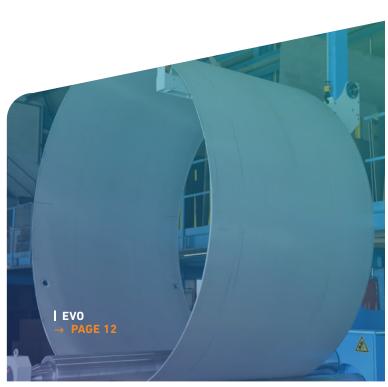
The combined service package includes telephone hotline, augmented reality and remote access support.



CUSTOMIZED PACKAGE

HAEUSLER offers tailor-made support services, which is designed to meet your individual requirements.

PLATE BENDING MACHINES







PERFORMANCE MEETS QUALITY HAEUSLER has been involved in the development of round bending machines since 1947. Many of the features of bending machines that are established as standard today can be traced back to developments by HAEUSLER. This inventive spirit, our uncompromising approach to quality and the close cooperation with our customers are the basis of our market leadership in the world of bending machines.















INTELLIGENT CNC CONTROL

BENDtronic® PERFECT CONTROL

The HAEUSLER BENDtronic® is a CNC control with artificial intelligence. It allows anyone to control not only the movements of the machine, but also the bending result itself.

In order to be able to bend the desired product shapes and optimally support the operator, the BENDtronic® contains various tools:

CAPACITY CALCULATOR

Feasibility check of the tasks. In addition, the machine utilisation, the remaining straight ends and the expected springback are calculated.

APPLE CALCULATOR

Calculation of different ways to achieve the desired apple shape of a cylindrical part when bending.

BEND CALCULATOR

Calculates the required positions of the rollers to achieve the desired radius.

SINGLE RADIUS MULTI PASS

Automatically generates a CNC programme, also applicable for bending in multiple passes.

MULTI RADII

Automatically generates a CNC programme for complex geometries, also applicable for bending in multiple passes.

CONE CALCULATOR

Actively supports the operator when bending cones. The software calculates whether and how an individual cone can be bent on the machine. Furthermore, the required inclination of the rollers and the required pressure are calculated.

INTELLIGENT CNC CONTROL

INTUITIVE USER INTERFACE

The intuitive user interface of the BENDtronic® guides the operator through the highly complex bending processes with ease. Even with unknown materials, users can reliably achieve the best bending results.

JRM	CYLINDER	CASE FORM
PRODUCTFORM	KONUS	OVAL
PRO	S-FORM	COMPLEX GEOMETRIES







4-ROLL PLATE BENDING MACHINE

EVO

BENDING BECOMES CHILD'S PLAY

The EVO 4-roll bending machine is the latest addition to the HAEUSLER range. It impresses not only with its modern and highly functional design, but also with its versatility and various technical innovations that the HAEUSLER developers have integrated into the compact machine housing. These would be among others: VSA technology (extension of the bending geometry) and a hybrid drive system that increases productivity with low energy consumption.

PLATE WIDTH

PLATE THICKNESS

up to 4,000 mm

up to 100 mm







4-ROLL PLATE BENDING MACHINE

VRM

FOR THE HEAVIEST **OPERATION**

The VRM 4-roll bending machine is designed for the heaviest operation. It is extremely versatile and absolutely reliable. There are hardly any limits due to the highest torques. The linearly adjustable side rollers enable a narrow bending geometry. This leads to higher bending accuracy, especially when forming materials with high yield strength.

PLATE WIDTH

| PLATE THICKNESS

up to 8,000 mm

up to 320 mm (cold)



3-ROLL PLATE BENDING MACHINE

HDR | THE UNIVERSAL PLATE BENDING GENIUS

The HDR 3-roll bending machine is characterised by extremely variable adjustment possibilities of the bending geometry. This minimises bending lengths and maximises bending quality and workpiece handling.

PLATE WIDTH

| PLATE THICKNESS

up to 6,000 mm

up to 320 mm (cold)



WING EDGE PLATE BENDING MACHINE

FKB | DEVELOPED FOR THE AEROSPACE INDUSTRY

The FKB 3-roll bending machine was developed for the aerospace industry. From this, further applications were derived. For example, for wide metal segments that have to be formed homogeneously and with the highest precision.

PLATE WIDTH

up to 18,000 mm

PLATE THICKNESS up to 25 mm











LARGE PIPE PLATE BENDING MACHINE

RMS | THE HEART OF PIPE PRODUCTION

With the RMS 3-roll bending machine, the need for tube production with high output was satisfied. In addition, the RMS impresses with its flexibility and bending quality.

PLATE WIDTH up to 13,000 mm PLATE THICKNESS up to 50 mm









SHIP'S PLATE BENDING MACHINE

SPBM | THE REFERENCE IN SHIPBUILDING

The HAEUSLER SPBM 3-roll bending machine is the absolute reference in shipbuilding. The lower rollers can be set in an inclined position. This means that conical sheets and skewing parts can be produced without any problems.

PLATE WIDTH up to 25,000 mm | PLATE THICKNESS up to 70 mm





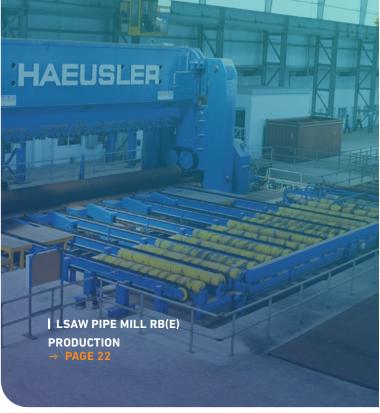


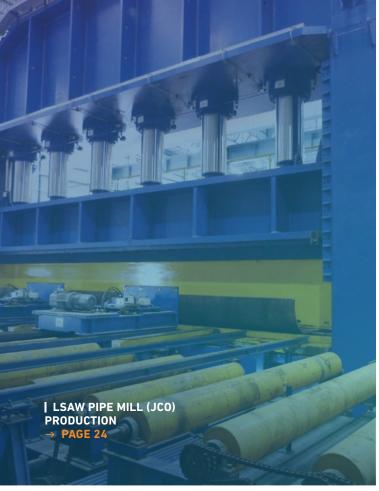
HAEUSLER

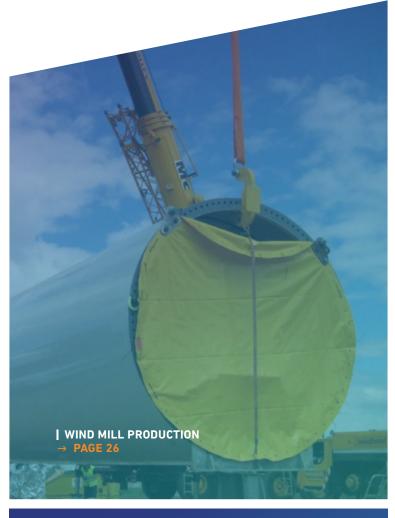
PRODUCTION LINES

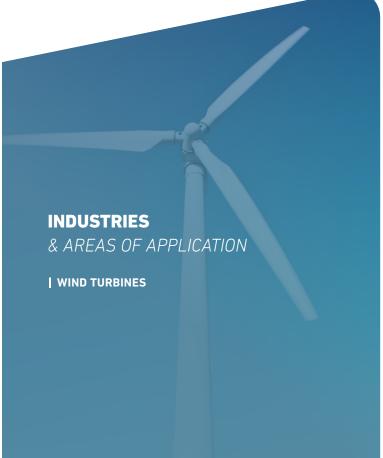












OUR KNOW-HOW - YOUR SUCCESS In addition to building individual machines, over the last three decades as a provider of turnkey projects. In principle, HAEUSLER offers so-called "turnkey projects" for the following industries.





LARGE PIPE PRODUCTION LINE

LSAW PIPE MILL

RB(E)-PROCESS

As a general contractor for turnkey pipe mill solutions, HAEUSLER offers all important machines as in-house products. Therefore, all relevant sections of the HAEUSLER pipe mill process are manufactured from one source - from the sheet metal to the desired segment.

| DIAMETER 406 mm (16") to 1.626 mm (64")

| PIPE LENGTH up to 13,000 mm 18,000 mm (on request) | PLATE THICKNESS | PRODUCTIVITY up to 50 mm

up to 20 pipes / hour







LARGE PIPE PRODUCTION LINE

LSAW PIPE MILL JCO PROCESS

In close cooperation with our customers, we develop customised solutions for their individual requirements. Here, the degree of automation, the production output and the quality standard to be achieved are the key factors that determine the final structure and workflow of the individual production steps.

| DIAMETER up to 1,625 mm (64") | PIPE LENGTH up to 18,500 mm | PLATE THICKNESS up to 70 mm

| PRODUCTIVITY up to 8 pipes / hour

→ LEARN MORE: haeusler.com/en/lsaw-pipe-mill





PRODUCTION LINE

WIND MILL | MADE BY HAEUSLER

As a general contractor for the production of wind towers, HAEUSLER offers all important machines and integrates them into an intelligent and functional system.

| PLATE THICKNESS / WALL THICKNESS

up to 300 mm

up to 6 m

| PLATE WIDTH

| TOTAL LENGTH OF THE TOWER SECTION

up to 60,000 mm

| CYCLE TIME FOR A TOWER SEGMENT WITH MAXIMUM DIMENSION

< 1 hour / tower segment

| DIAMETER TOWER SECTION

up to 15.5 m



→ LEARN MORE:

haeusler.com/en/wind-mill

HAEUSLER

PROFILE BENDING







RELIABILITY, DURABILITY & EASIEST OPERATION

The HAEUSLER profile bending machines in their current design are the result of over 60 years of experience, which is characterised by cooperation









4-ROLL PROFILE BENDING MACHINE

PRV | 3-D PROFILE BENDING IN PERFECTION

The PRV 4-roller profile bending machine is equipped with a variable roller geometry. This allows special profiles, U-, I-, T-, angle, flat, round profiles and tubes to be formed with ideal force application. This minimises unwanted deformations.

| MOMENT OF RESISTANCE

up to 150 cm³



4-ROLL PROFILE BENDING MACHINE

VPR | PROFILING AND BENDING IN ONF PASS

The VPR 4-roller profile bending machine is designed for special requirements in the field of profiling. The VPR enables profiling and bending in one pass. This makes it predestined for series production, among other things.

MOMENT OF RESISTANCE

up to 200 cm³



BB | FOR THE BIGGER STUFF

The BB 3-roller profile bending machine is designed for bending U-, I-. Flat, round profiles and tubes. This type of machine is usually used for bending the largest commercial steel beams, via the x-x or y-y axis, and for tubes up to 610 mm in diameter.



2,500 cm³ - 14,000 cm³



PIPE BENDING MACHINE

RBA | FULL AUTOMATION, HIGHEST QUALITY

Almost any type of pipe can be processed into various types of pipe coils with HAEUSLER pipe bending machines, such as pipes with multi-start, conical or with changing pitches. The RBA 3-roller profile bending machine with and without automatic infeed roller table is designed on the one hand for bending thin-walled square tubes with automatic bending mandrel insertion and on the other hand for bending tubes with different pitches.





BENDING OF PIPE COILS WITH DIFFERENT PITCHES



MAINTENANCE





HAEUSLER

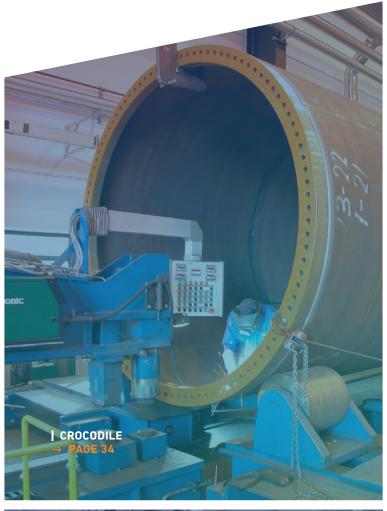
INSTALLATION EQUIPMENT













INDUSTRIES & AREAS OF APPLICATION

| WIND POWER



UNIVERSAL CLAMPING AND WELDING DEVICE

CROCODILE | EFFECTIVE, MOBILE WORK CENTRE

The Crocodile is suitable for individual and series production. The device enables the alignment-matching-tacking-internal circumferential welding of weft-to-shot or bottom-to-shot of cylinders. Thanks to the machine support, a time saving of up to 85 percent can be achieved compared to the manual alignment and welding process. Automatic submerged-arc internal welding is available as an option.

| PLATE THICKNESS

up to 150 mm

| TOTAL LENGTH OF THE TOWER SECTION

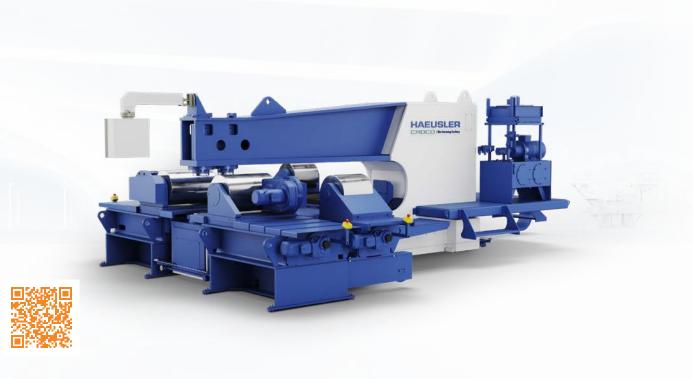
up to 60,000 mm



SINGLE PERSON **OPERATION**



BEST RESULTS



LONGITUDINAL SEAM TACK WELDING MACHINE

CRWM | PERFECT WELDED PIPES

The CRWM is designed for individual and series production. The latest generation of HAEUSLER tack welding machines ensures the high quality level of the pipes through active pipe manipulation. This eliminates any possible edge misalignment. The CNC-controlled laser tracking with digital welding equipment offers absolute flexibility and assured, stable production.

DIAMETER

254 mm (10") up tp 2,540 mm (100")

| PLATE THICKNESS

up to 70 mm

| PRODUCTIVITY

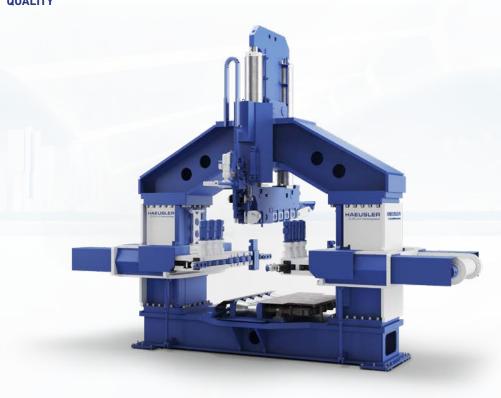
up to 25 pipes / hour (with pipe length of 12,200 mm)



WELD SEAM FROM THE START TO THE END OF THE PIPE



BEST WELDING





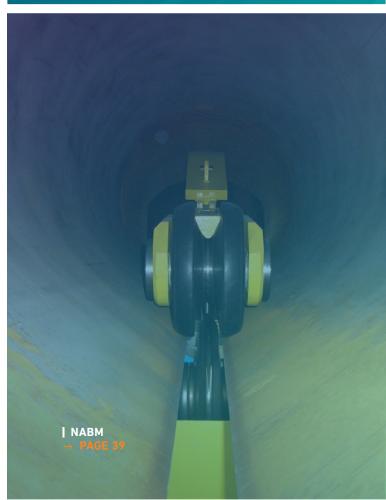
HAEUSLER

SPECIAL FORMING

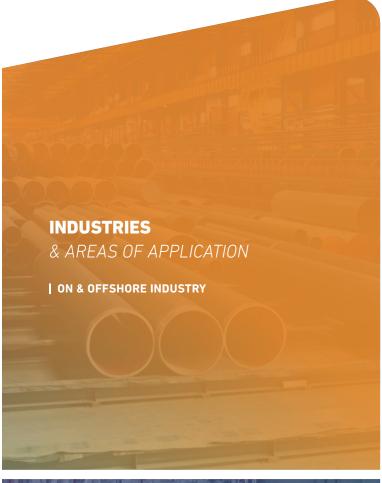
















STRAIGHTENING MACHINE

RI | PERFECT PLATES - ALWAYS

The RI straightening machine is designed for the straightening of plates of various dimensions and material specifications. Depending on the technical specification, the machines are equipped with 5, 7, 9 or 11 rolls. Through smaller first and last straightening rolls, extra short, non-straightened ends are possible.

| PLATE WIDTH up to 5,000 mm

| PLATE THICKNESS up to 120 mm







POST BENDING MACHINE

NABM | SMOOTH ON THE PLATE AND FAST

The capacity of the NABM post bending machine with the new and patented forming process has been significantly increased. With a single bending process, all the needs of tube and pipe of tube mill manufacturers can be covered.

| PIPE LENGTH

up to 13,000 mm

| PLATE THICKNESS

up to 50 mm



BASIS FOR A PERFECT WELD SEAM



LOW **ACT TIME**



FULLBODY EXPANDER

CMR | HIGHTECH FOR YOUR PIPE MILL

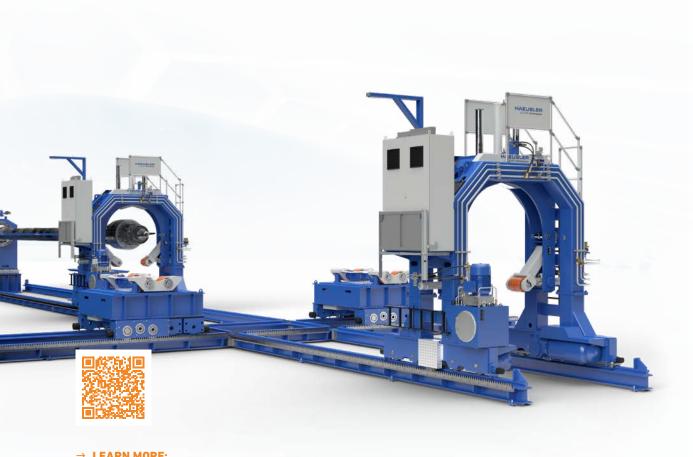
The CMR Fullbody Pipe Expander combines practical experience in the field of pipe production. The variable process control developed by HAEUSLER allows the tightest tolerances to be achieved. This special software allows all settings to be made and monitored centrally.

DIAMETER from 16" to 66" | PLATE THICKNESS

up to 60 mm







→ LEARN MORE:

haeusler.com/en/cmr

CALIBRATION MACHINE

CM | REPEATABILITY AND SPEED

The CM Calibration Machine & SM Upsetting Machine create accurate and complex workpiece shapes. The basic shape of the workpiece is achieved, for example, by bending, profiling and casting. In a further step, the expansion or upsetting serves the final shaping with the tightest tolerances. The various tool sets are extremely durable and inexpensive to purchase and maintain.

EXPANDING FORCE

up to 200,000 kN

| DIAMETER up to 7,500 mm







REFERENCES

HAEUSLER PRODUCTS

IN USE WORLDWIDE

HAEUSLER sees itself as an export-oriented company. Our machines are in use on all continents and in more than 100 countries.



NORTH AMERICA

General Electric, US Trinity Industries, US McDermott, US Berg Steel Pipe, US Caterpillar, US ask for more...



SOUTH AMERICA

IMPSA, AR TenarisSiat, AR Voith Paper, BR Atlas Schindler, BR Alstom, BR ask for more...



WESTERN EUROPE

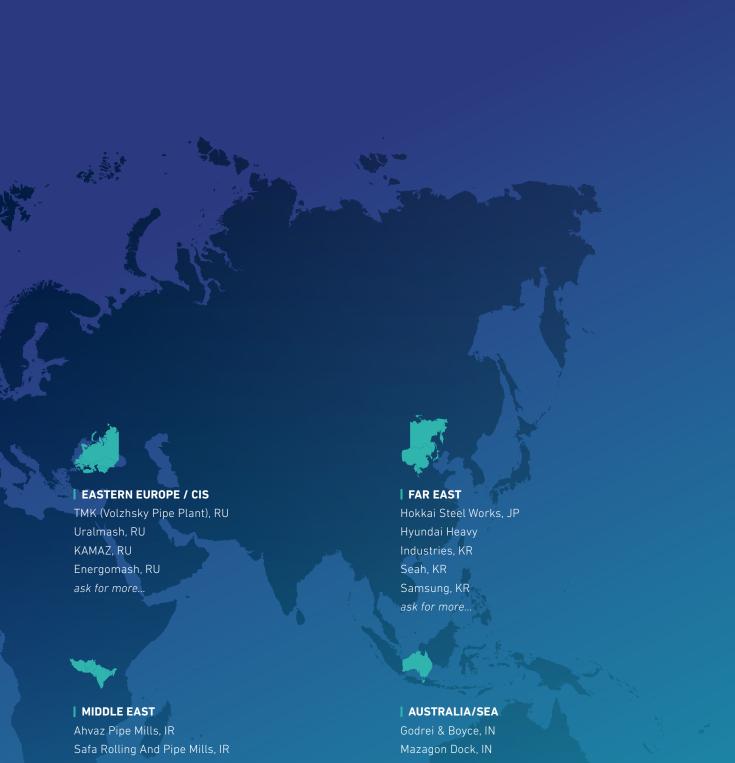
Daimler, DE EADS, DE Liebherr, DE Dillinger Hütte GTS, DE Viessmann Werke, DE ask for more...



AFRICA

Steinmüller, ZA

Petrojet, EG Helwan Engineering Industries, EG Westcom Technologies & Energy, NG



McDermott Middle East, AE NPCC - National Petroleum Canadoil Group, TH Vietsovpetro, VN Rolco, AU

FOLLOW US!

In order to keep you up to date on current topics, we are also present for you on the social web - follow us on our social media channels and get information about our company, products, career opportunities and trade fair events.









