



CASE STUDY - SEAH WIND

ROYAL MACHINERY

LARGEST WIND PRODUCTION

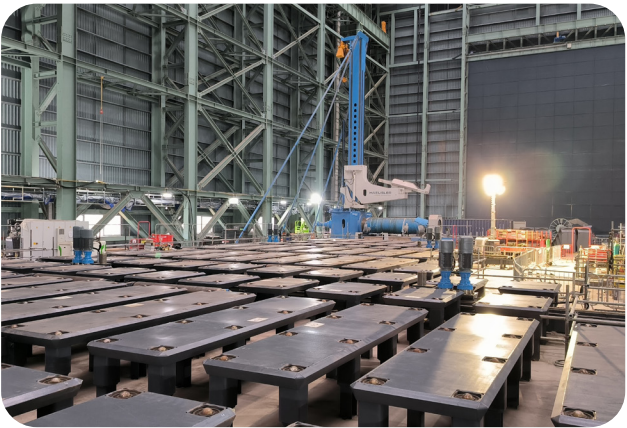
CASE STUDY – SEAH WIND

ROYAL MACHINERY
LARGEST WIND PRODUCTION IN THE WORLD

The HDR4200-3622 and three other large round bending machines were successfully put into operation at our customer SeAH Wind (England) in 2024. Shot diameters of up to 8 m are currently being bent, whereby the system is designed for diameters of up to 15 m. The special 3-roll bending machine for calibration and the innovative roundness and deformation measuring system from HAEUSLER guarantees the customer the highest accuracy and simplest quality monitoring.

Challenges: Our customer SeAH Wind had high requirements regarding the accuracy and safety of the individual machines. Among other things, the UKCA safety standards had to be fully complied with. Fast processes were also required to ensure high productivity. The fully automatic calibration of cones posed a challenge for our development team due to the dimensions of up to 15 metres.

Conclusion: The further development of the HAEUSLER HDR universal 3-roll machine into a calibration specialist makes it easy to calibrate cylinders and cones, where the innovative «steering wheels» function prevents the cones from moving along the roll. This means that calibration is now child’s play after bending. This innovation, coupled with the measuring systems described, is the best solution on the market. The integrated measuring systems recognise the out-of-roundness before and during calibration, as well as the circumference at both ends of the weft and generate a quality report after the calibration process. These systems are 100% integrated into our control system. As a result, the requirements at SeAH Wind have been more than fulfilled. The SeAH production line is currently the largest and most modern in the world!



HDR4200-3622

- | | |
|---|--------------------------------------|
| MAX. ELASTIC LIMIT
x460Mpa | MAX. ROUND BENDING CAPACITY
245mm |
| ROLLER LENGTH
4'200mm | ROTATION SPEED
12m/min |
| LARGEST BEND Ø
15m | LATERAL SUPPORT H
15.5m / 1000kN |
| PENDULAR ROLLER
POSITION, AUTOMATIC
AXIS OPTIMISATION | LATERAL SUPPORT
600kN |

The HAEUSLER 3-roll bending machine is undoubtedly the most advanced machine I have ever operated. Its strength and robustness enable it to handle even the thickest plates with ease. The BENDtronic system is a true game changer, significantly reducing the stress of finding new settings for any plate size when starting new projects.

Mr. Croft, Plate roll operator SeAH Wind

HAEUSLER

WORLDWIDE

| WESTEUROPE

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

| OSTEUROPE / CIS

TMK (Volzhsky Pipe Plant), RU
Uralsmash, RU
KAMAZ, RU
Energomash, RU
for more requests...

| NEAR EAST

Hokkai Steel Works, JP
Dajin Offshore, CN
Shanghai Aircraft, CN
Hyundai, KR
Samsung, KR
for more requests...

| AFRICA

Steinmüller, ZA
Petrojet, EG
Helwan Engineering
Industries, EG
Westcom Technologies
& Energy, NG
for more requests...

| MIDDLE EAST

Goorej, IND
Larsen Turbo, IND
McDermott Middle East, AE
NPCC – National Petroleum
Construction Com, AE
for more requests...

| AUSTRALIA/SEA

Canadoil Group, TH
Vietsovpetro, VN
Rolco, AU
Protube Engineering Pty, AU
Thornton Engineering, AU
for more requests...

| SOUTH AMERICA

IMPISA, AR
TenarisSiat, AR
Voith Paper, BR
Atlas Schindler, BR
Alstom, BR
for more requests...

| NORTH AMERICA

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

HAEUSLER
| the forming factory



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