

HIGGINS BALERS LTD
RENEWING, REPAIRING, REPLACING

HA Scrap Shears

Total quality

Engineering, Design and Manufacturing is our Trademark

.....

Industrias Hidráulicas, s.a. designs and manufactures a wide range of balers, shears and rotary shears for processing scrap and other waste. Efficient, heavy duty and reliable machines for high productivity and minimum maintenance.

Higgins Balers Ltd and **Industrias Hidráulicas, s.a.** have been working together for many years. With the expertise of both companies you have the complete package for machine, installation and ongoing support.

Industrias Hidráulicas, s.a.



OUR COMPANY

Industrias Hidráulicas S.A. "MOROS"

Industrias Hidráulicas S.A. "MOROS" has been designing and manufacturing machinery for more than 56 years. Our range includes high quality balers, shear-balers and rotary shears for working with ferrous and non-ferrous materials, in the following categories:

- Stationary balers: one, two or three compression balers, as well as high production and high density balers;
 - Shear-balers with pre-compression wings, lateral compression shears, and lateral compression shears with adjustable angle system;
 - Mobile and portable balers and shears; and
 - Other machines such as paper balers, rotary shears and alligator shears.
- Our machinery for recycling can be adapted to any customer's need.



MOROS has agents worldwide, providing after sales service and maintenance.

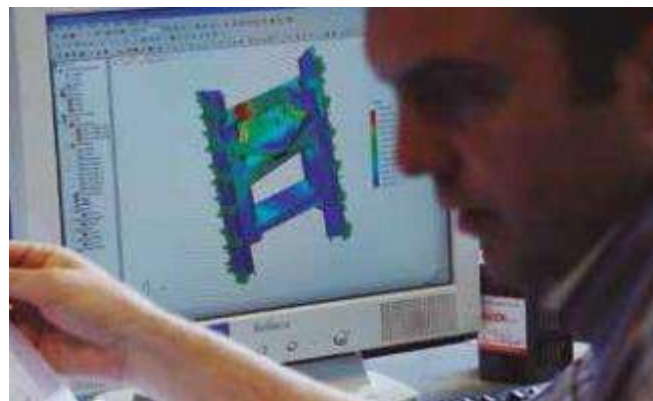
Your UK agent is **Higgins Balers Ltd**: www.higginsbalers.com or email: info@higginsbalers.com



Agents worldwide: Argentina • The Benelux Countries • Bolivia • Brazil • Bulgaria • Chile • China • Ecuador • France • Germany • Greece • Italy • India • Kazakhstan • Kyrgyzstan • Mexico • Mongolia • Paraguay • Rumania • Russia • Saudi Arabia • South Africa • Tajikistan • Turkmenistan • Turkey • Ukraine • UK & Ireland • United Arab Emirates • USA & Canada • Uzbekistan

DESIGN

Each of our models has been designed after reviewing case studies and carrying out extensive calculations, prior to modelling the information in CAD technology and applying the latest simulation techniques. The whole process is complemented by our vast experience in the design, manufacture and maintenance of machinery.



EVOLUTION AND FLEXIBILITY

Our machinery constantly evolves. Through innovation, our constant review process, and our years of dedication to the scrap recycling market, allow MOROS to satisfy all our customer's needs.

With the design and manufacturing processes carried out 'in house' we have the capabilities and capacities to adapt our machinery to meet specific client requirements.

QUALITY

All our manufacturing methods follow our strict quality control standards, which are updated regularly, ensuring the quality of production you would expect from a successful, global manufacturer.



QR Code

Scan the code with your phone to see the **MOROS** corporate video.



AFTER SALES

MOROS customer service is well known worldwide and supported by Higgins Balers in the UK and Ireland. We now support customers and machines with new e-monitoring devices, reducing unscheduled stops. Moreover, we ensure spare parts are available throughout the life of the machine, as we manufacture almost all of the components ourselves; those we don't, we generally carry in stock, so they are ready for delivery.

In addition we keep a record of all the machines we have manufactured in the last 56 years making spares tracking easier.



Industrias Hidráulicas, s.a.



Versatile and Multi-Purpose Machinery

SCRAP SHEAR H-A

The H-A range is the latest development in the MOROS stationary wing shear range, well known for its reinforced structure and its capability of working with almost every material.

The H-A range incorporates new advantages in mechanical design, hydraulics and electronics to achieve high cutting speeds and efficiency levels never seen before in this kind of machinery.

Efficient and Fast Hydraulics

Simultaneous movements in all the cylinders and the new technology hydraulics allow huge savings in energy. This also reduces the number of electric motors.



Exclusive MOROS Design

The pre-compression box can be closed rapidly if you are working with light scrap, thanks to the combination shape in the wing, allowing the wing to move beyond the lid level and compress the scrap further. With its curved and flat portions on the wings, this machine can also work with heavy scrap as the two wings fit neatly together. Furthermore, the over compression mode allows scrap to be compressed in the pre-compression box.

This range can be fitted with a bigger loading box to work with car bodies and bulky scrap.



Easy Maintenance

Split hinge shaft for easy maintenance and fast dismantling

TECHNICAL FEATURES

TECHNICAL FEATURES

H-A

CUTTING FORCES (tonnes)

550; 700; 900; 1100

LOADING BOXES (metres)

5, 6 or 7

BLADE WIDTHS (mm)

800 to 1000

ENGINE POWER

1, 150hp unit; 2, 3 or 4 125hp unit



Automatic Greasing in the Head.

H-shaped guillotine keeps overall height low to enable loading with medium cranes from both sides and for transportation without dismantling the head.

Ram guided in a slot or groove



QR Code

Scan the code with your phone to see the **Scrap Shear H-A** video.



QR Code

Scan the code with your phone to see the **Front H-A** video.

Different options:

As with many of our ranges, this one can be customised with a range of features, such as: a container to protect the hydraulic and electric units; a loading hopper, a conveyor belt, anti-vibratory system, flat foundation, cold weather construction, cabin.... to satisfy any customer's need.



www.moros.com

In Association with

HB
HIGGINS BALERS LTD
RENEWING, REPAIRING, REPLACING

www.higginsbalers.com

[**info@higginsbalers.com**](mailto:info@higginsbalers.com)

For all your recycling needs



Industrias Hidráulicas, s.a.

P. I. Malpica, calle E, nº 54-55 - Apartado 662 - 50016 ZARAGOZA - Spain
Tel. +34 976 57 34 10* - Fax +34 976 57 23 54 - morosihsa@moros.com