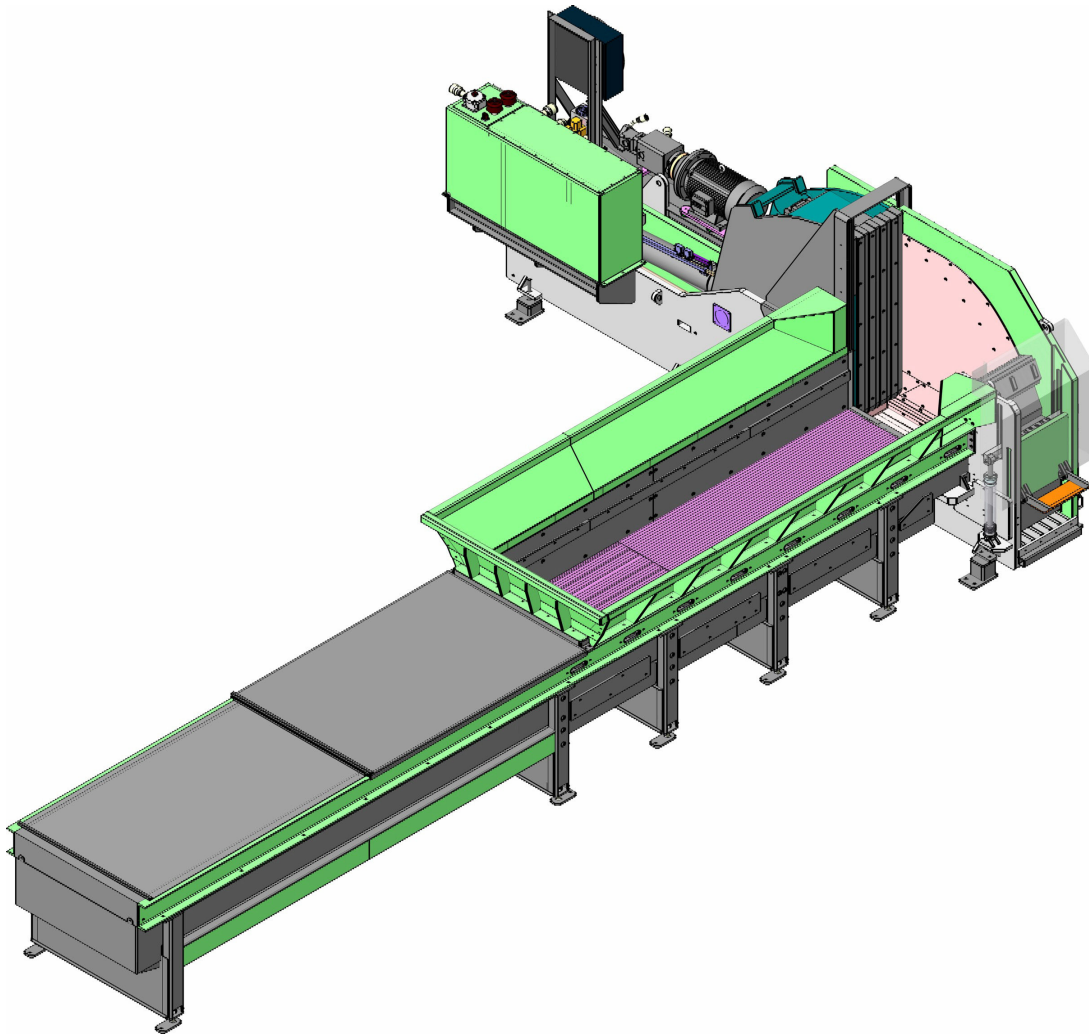




ALERT
ENGINEERING LTD

ASP-6020-130

3 Stage Shear Baling Press



- ✓ FIRST IN QUALITY
- ✓ HIGH PRODUCTIVITY
- ✓ SMOOTH OPERATION
- ✓ TOMORROWS DESIGN

Alert Engineering Co Ltd have over 30 years experience in the design, manufacture and servicing of Scrap Metal Industry Related Equipment. We manufacture a large range of Ferrous and Non-Ferrous Balers, Shears, Compactors, Transport Solutions, etc.

With In-house State of the Art Design, Development and Manufacture our expertise is second to none.

ALERT - *Diversity in Engineering*

For more information contact:



ALERT
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7 Gabador Place, Mt Wellington,
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Auckland, New Zealand

Or, visit our website:

WWW.ALERTNZ.COM

Phone: ++64 - 9 - 573 1008

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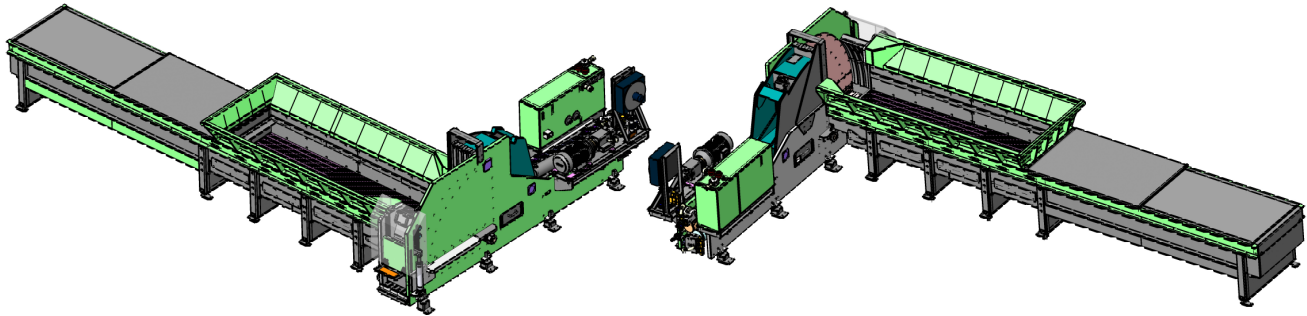
E-mail: sales@alertnz.com



ALERT
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ASP-6020-130

For Ferrous and Non-Ferrous Scrap processing



The ASP-6020-130 is designed for Non-Ferrous and Light Gauge Ferrous material, specifically in larger lengths. The Maximum material length is 4.5 metres (appr. 15 feet).

This is a Three Stage Baler, which comprises a Side Loader (**Stage 1**) that feeds the material into the chamber prior to the Shear Action from the Lid (**Stage 2**). The Lid acts as pre-compression stage. **Stage 3** is the compression of the gathered material with **130 Tonnes** of force, creating a **High Density Bale**.

The Bale is ejected via the **Bale Exit** onto the out-feed ramp for further handling / palletising.

Technical Details:

Specifications:

Side Loader Opening:	4500 x 1400 x 300mm (315" x 55" x 12")	Standard
Chamber Size (Lid Closed)	600 x 200 x 1800mm (24" x 12" x 65")	Standard
Bale Size:	600 x 200 x variable* (24" x 12" x variable)	Standard
Foot Print:	(See "Installation Dimensions")	
Cycle Times:	Approximately 45 Seconds (depending on material and shape)	
Cutting Shear Force	At 60 deg 280 tonne, At 85 deg 85 tonne	
Production Rate (Approximate)	Steel 3000kg per Hour, Aluminium 1000kg per Hour	

Dimensions:

Details:

Hydraulic Power Unit:

High Pressure Pump	Axial Piston Pump	Eaton / Vickers
Low Pressure Pumps	Double Vane Pump	Eaton / Vickers
Hydraulic Control Valves	Solenoid, Cartridge & Logic Elements	Eaton / Vickers
Hydraulic Manifolds	All Steel Construction, Single Billett	Alert Engineering Co. Ltd

Main Hydraulic Cylinders:

Side Loader Cylinders	1 off - \varnothing 101.6 x \varnothing 76.2	Alert Engineering Co. Ltd
Lid Cylinders:	1 off - \varnothing 203.2 x \varnothing 152.4	Alert Engineering Co. Ltd
Packer Cylinders:	1 off - \varnothing 254 x \varnothing 152.4 - 130 Tonnes	Alert Engineering Co. Ltd

Electrics:

Main Electric Motor	45 kW / 3 Phase / 440 VAC-50Hz	
Cooler Electric Motor	1.5 kW / 3 Phase / 440 VAC-50Hz	Eaton / Vickers
Logic Controller	(Programmed by Alert Engineering Co. Ltd)	Siemens
Other Requirements:	1 x Ethernet Connection (Diagnostics & Online Support)	

All Dimensions in **Metric** units (Inch Units).

The information, dimensions and data given in this document are based on our general experience and is given in good faith. However, as ALERT reserves the right to make continuous improvements, these details are indicative only and subject to change.

ASP-6020-130 - Main Features

Design & Mechanical:

The objective of the design of the ASP-6020-130 was to create a machine that can cope with over size materials with its purpose built corrugated side loading feed table. This allows for lengths of light gauge steel and aluminium extrusions to be mechanically fed into the side loader with no need for human intervention. The castellated packing chamber with replaceable wear resistant liners insure a long service life. An oversized exit door eliminates the chance of jam ups. The design team focussed on creating a smooth operating State of the Art Press capable of being operated with ease from an overview platform.

3 Part Design:

The ALERT Design Team and Engineers have chosen a 3 Part Design for the ASP-6020-130 for the ease of Transport and Installation.

- ⊕ Part One comprises the Press and Power pack
 - ⊕ Part Two is the Side Loader
 - ⊕ Part Three is the Operators platform and stairs
- Shipping takes place in Two 40' Open Top ISO Containers

Wear Plates:

The Main Compaction Chamber and Guillotine Shear Parts of the Press are lined with Wear Resistant Plates. These are High Wear-Resistant Steel, and designed for long service-life, yet replaceable when required.

Hydraulics:

The Hydraulics used in the ASP-6020-130 are mainly Eaton and **ALERT** components.

Eaton is a world-leader in Hydraulics and was chosen for the Quality, Service-ability and their' outstanding Global Product Support Network.

All Hydraulic Cylinders are Designed and Manufactured by **ALERT**.

Critical Cylinders are exclusively built with the Latest Hallite Sealing components providing Long Trouble-free Service Life. All Shafting is manufactured from High Quality Hard Chrome Plated steel.

All Hydraulic Hoses are Eaton / Aeroquip brand chosen for performance and long service-life.

The Power Unit also incorporates a continuous filtration / cooling system, level alarms and Eaton / Vickers DirtGate® Breathers.

Operator Interface

Our new interactive Touch Screen Control Console is designed for the Operator, so it can be used with ease, but also has informative as well as programmable features.

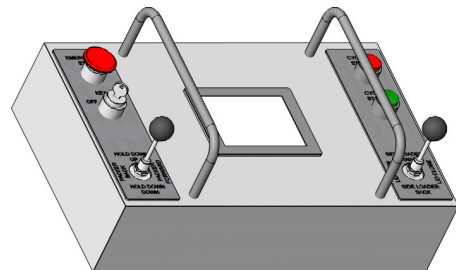
From the Console the Operator can oversee the operation of the ASP-6020-130 and control all functions.

All manual operating parameters are controlled by Two Joy Stick Controllers. The console is mounted on a pivoting pedestal, so that it can be repositioned to suit the operator.

The (trained) operator can also (partially) program the ASP-6020-130, for example on the number of pre-loads from the Sideloader, and the Auto Greasing frequencies.

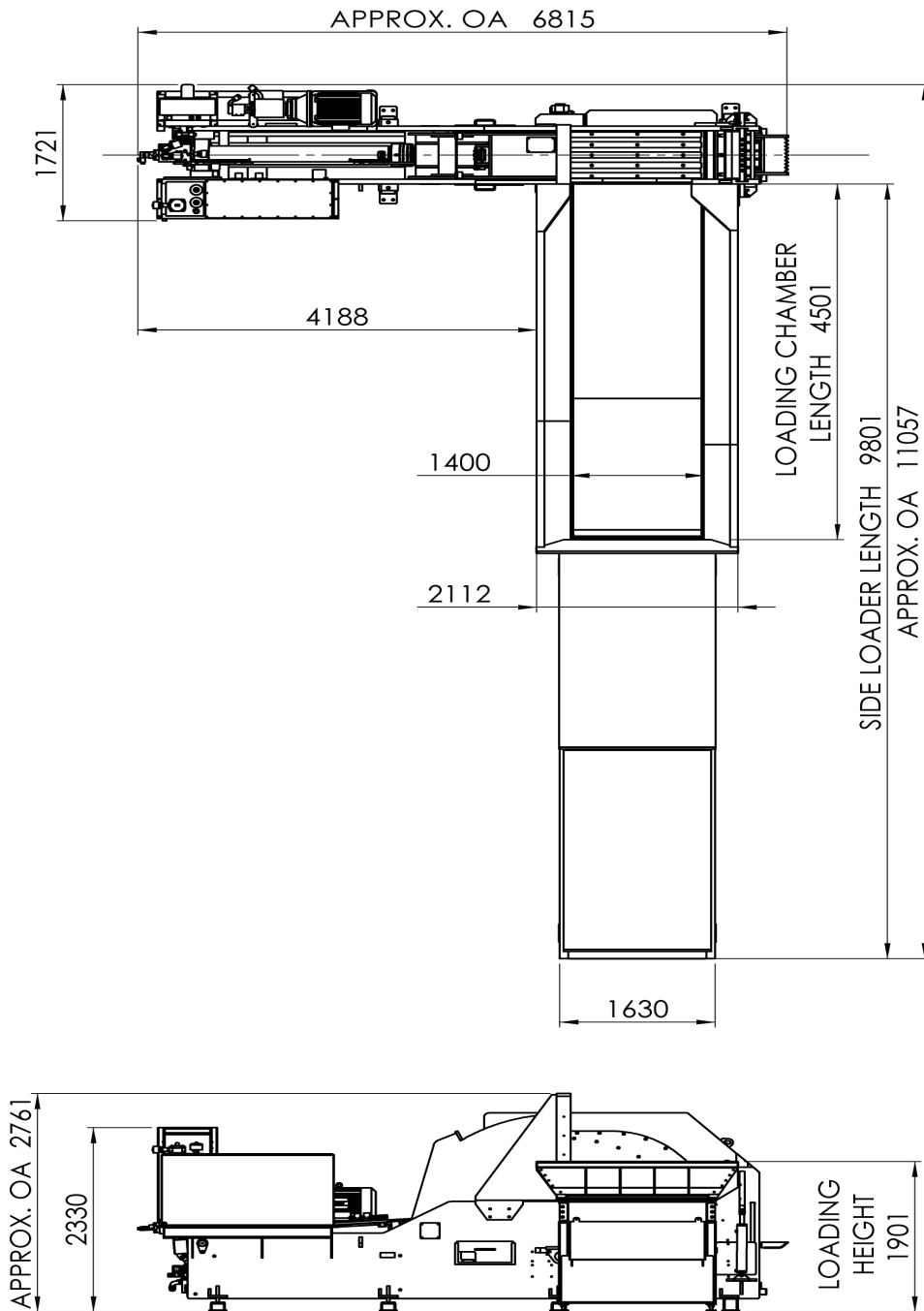
The informative functions from the Display include obtained Bale Size (LxHxW), estimated weight, as well as system functions such as Pressure, Temperatures, Filter Alarms, Hydraulic Fluid Level, etc.

This can also be further customised to suit specific customer requirements.



ASP-6020-130

Installation Dimensions



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