

PRESENTATION

Briquetting of metal chips

ATNA
Industrial
Solutions
GmbH

The logo for ATNA, featuring the letters 'ATNA' in a bold, blue, sans-serif font. The letters are set against a white circular background. A vertical blue line runs through the center of the circle, passing through the 'N' and extending above and below the circle's boundary.

ATNA



OUR MISSION

Revolutionising briquetting

There must be a better way! This idea drove us forward at the beginning. Previous briquetting presses were often inefficient and thus caused high costs. We had to eliminate those weak points.

Mechanical engineers, process engineers, and electrical engineers in our founding team worked together to develop an entirely new concept of briquetting technology. Today we know: We can do much better!

André Schmidt, M.Sc. Eng.
Management Board

Thomas Müller, M.Sc.
Commercial Management



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SCOPE OF APPLICATION



Reusing metal residues

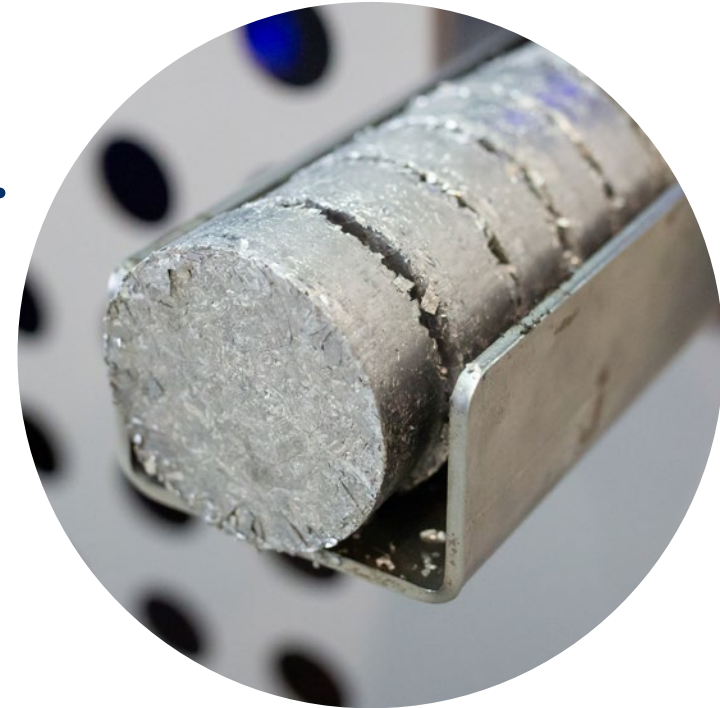
ATNA presses are ideal for briquetting metal shavings. They can be used for processing, among other things, residues such as aluminium, copper, steel, or brass shavings.



Aluminium shavings

The challenge

When machining aluminium, large amounts of chips and curls are left over. This results in high storage and transport costs for the company.



Our solution

Chips and curls in the form of briquettes can be stored, transported, or melted more efficiently.

They can also be sold at higher prices.

YOUR ADVANTAGES

We deliver added value

Companies that process metal chips and curls directly in-house save on storage and transport costs and get higher prices for briquettes. The process becomes even more cost-efficient thanks to the recovery of cooling lubricants during briquetting.



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**UP TO 100% INCREASE IN
VALUE**



**COMPETITIVE
ADVANTAGE THANKS
TO FASTER RETURN ON
INVESTMENT**



**ENVIRONMENTALLY
FRIENDLY RECYCLING**



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OUR SOLUTION

BlueLine briquetting presses

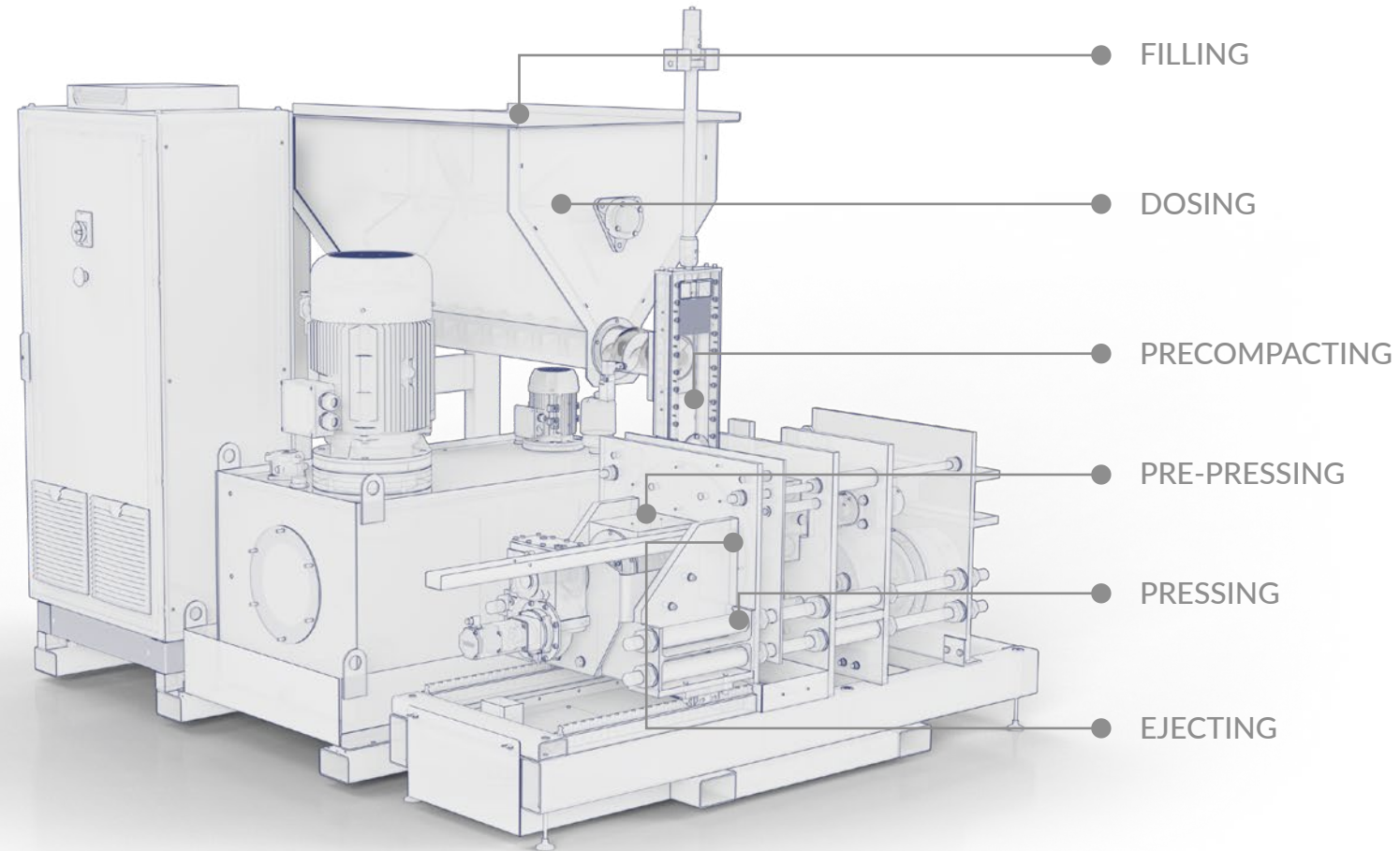
The multi-stage pressing process of ATNA BlueLine presses allows maximum flow rates while ensuring the highest briquette quality. To this end, we deliver innovative solutions tailored to your company.



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Multi-stage pressing method

Thanks to our novel turret punch press and multi-stage pressing method, which consists of precompacting, pre-pressing, pressing, and ejection, we are able to achieve high flow rates at low energy consumption.



START

TECHNICAL SPECIFICATIONS

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BlueLine Briquetting presses

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Technical specifications

Our briquette presses can be customised to suit your requirements. Depending on the application, we can customise technical parameters such as pressing power, flow rate, and format.

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MAXIMUM PRESSING POWER

Can be customised acc. to the material

up to
700
MPa

FLOW RATES

From 50 kilograms to 10 tonnes per hour

50 > 10,000
kg/h kg/h

FORMATS

Shape can be freely selected, from Ø 20 mm up to 100x100 mm

20 – 100
mm



FULLY AUTOMATIC CONTINUOUS

operation day and night

24 / 7
h days

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Technical specifications

Briquetting the various metal residues produces briquettes with high densities. This significantly reduces the transport volume and the associated costs.

RESIDUES	DENSITY OF BRIQUETTES per alloy	TRANSPORT VOLUME REDUCED by up to
Examples		
ALUMINIUM	2.5 g/cm ³	97%
ALUMINIUM BRONZE	6.2 g/cm ³	36%
STAINLESS STEEL SHAVINGS	5.5 g/cm ³	93%
COPPER	5.4 g/cm ³	58%
GUNMETAL	6.9 g/cm ³	63%



TECHNICAL SPECIFICATIONS

BlueLine

Our BlueLine briquette presses fit perfectly into your production environment. Thanks to the compact external dimensions, straight-forward installation without the need for additional foundation, and the simple connection, you will be able to use the press and reduce your costs right away. The technical specifications listed here refer to a standard BlueLine briquette press without additional features.

STANDARD

WEIGHT

approx. 3,900 kg
(without hydraulic oil)

CONNECTION PARAMETERS

400 V
/ 63 A

DIMEN- SIONS

Length: 2700 mm

Width: 2150 mm

Height: 2250 mm

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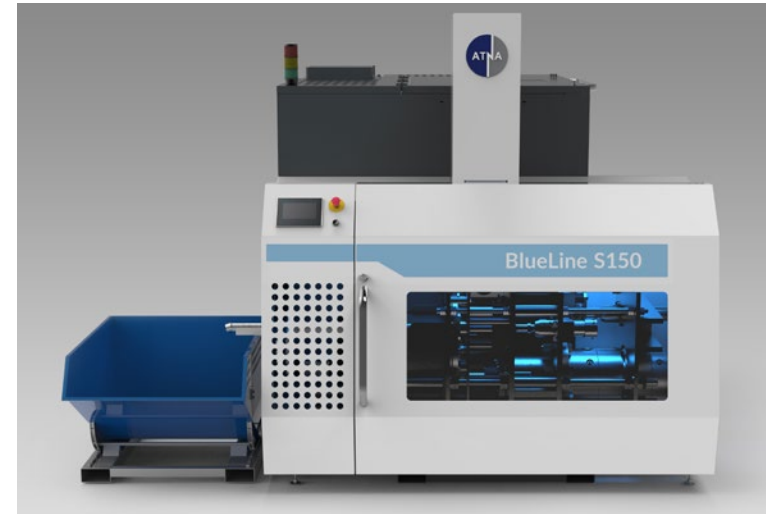
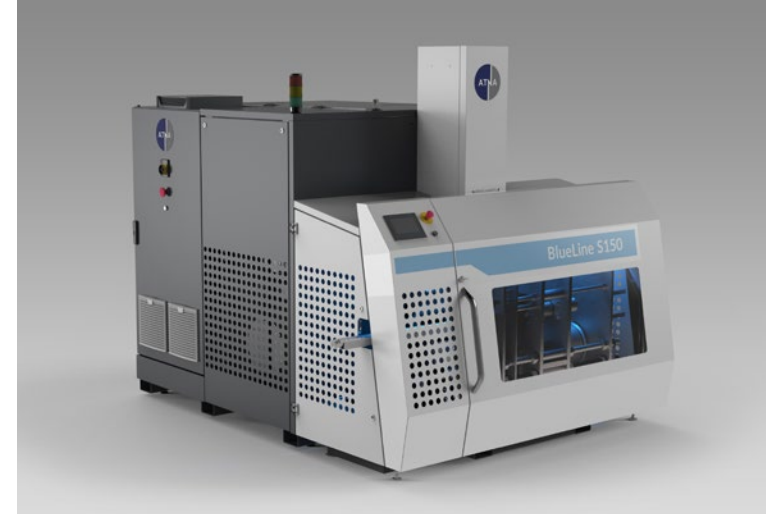


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YOUR OPTIONS

Extension options

- Enlargement of storage tank by up to 1,000L
- Upstream chip shredder
- Online dashboard with mobile access
- Automatic wear measurement
- Automatic density measurement
- Adjustable hydraulic system
- Extraction system for dusty materials
- Remote maintenance to ensure timely service
- Preparation for outdoor installation



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YOUR WISHES

Customised solutions

Every company is unique. For this reason, we work with our customers to develop individual solutions tailored to their requirements.

We provide connection to customer's workflows, such as complete extraction systems for in-house material transport to the briquetting press.



Many thanks for your attention

GET IN TOUCH WITH US!

ATNA INDUSTRIAL SOLUTIONS GMBH



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