

PRODUCT CATALOGUE

High-performance briquetting machines



**Utilise the full potential
of your manufacturing
process.**

**Lower costs, save on
resources and make an
active contribution to
sustainability.**

From waste to recyclable material

**Making more from chips:
Economical, compact, environmentally friendly.**

The disposal of industrial waste presents a challenge for many companies. Briquetting machines offer an economical and sustainable solution: They compress metal chips up to one eighth of their initial volume, save storage space and lower disposal costs.

At the same time, up to 90% of the cooling lubricant can be recovered. Thanks to the compact design, the machines can be easily integrated in existing production processes and can generally be amortised within a few years.



More efficiency, less effort.

We offer you



Versatility

Our systems can be individually adapted to your specific requirements with various configurations – for maximum flexibility in operation.



Simple maintenance

The maintenance-friendly construction keeps the maintenance requirements to a minimum – this saves time and lowers the operating costs long-term.



Long service life

All components are made from particularly wear-resistant or hardened steels – for maximum capacity and a long life.



Personal contact

Your direct contact is by your side for consultation from planning and commissioning to trainings and during running operation – for quick solutions and individual support.





You profit from that

Saving resources, lowering costs, optimising processes – your advantages at a glance.



Up to 80% reduction of the chip volume

The compression in the briquetting machine significantly reduces the chip volume – for more space and less disposal expenditure.



Up to 90% cooling lubricant recovery

During the compression process, pressed out materials are caught and automatically returned to the machine – for a minimal loss of expensive cooling lubricants.



Ideal for unmanned production

No overrun of the chip containers. Because of the strong compression of the chips, your machines can produce longer unmanned.



Less handling, more safety

The emptying frequency of the chip containers is reduced by up to 90% – for less intralogistics and higher efficiency and work safety instead.



Sustainable and environmentally friendly

Lower residual moisture reduces the leakage of hazardous media and the use of emulsion and oil, which also reduces the transport intervals.



Efficient utilisation of waste

The compression provides for lower transport costs and a lower residual moisture – for a higher sale price of the recyclable material.

Compression results

Reduction of the chip volume and recovery of the remaining fluid

The briquetting machine can process and compress a broad range of materials.

For ductile chips, a volume reduction of up to 80% can be achieved, whereby 90% of the remaining fluids are covered. For viscous chips, the volume reduction is up to 50% with an identical recovery of remaining fluids.

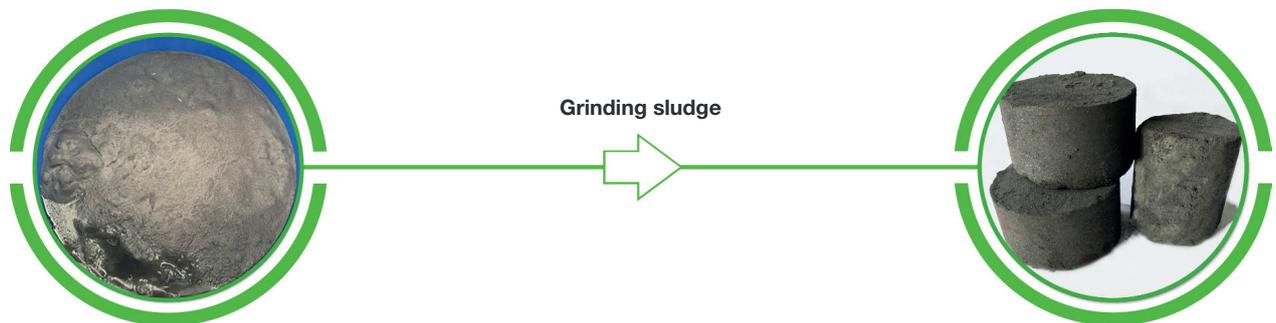
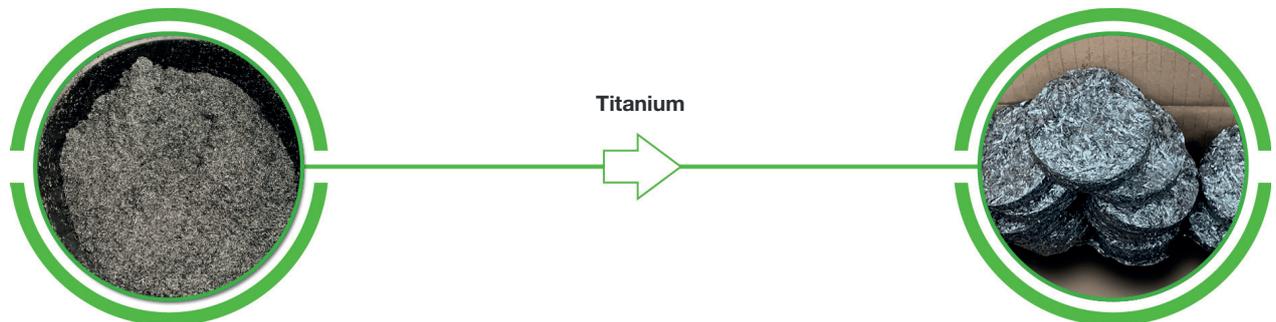
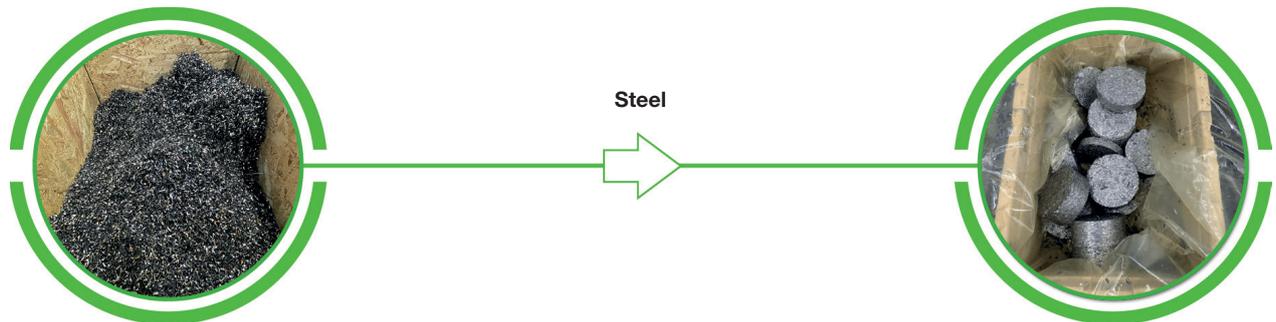
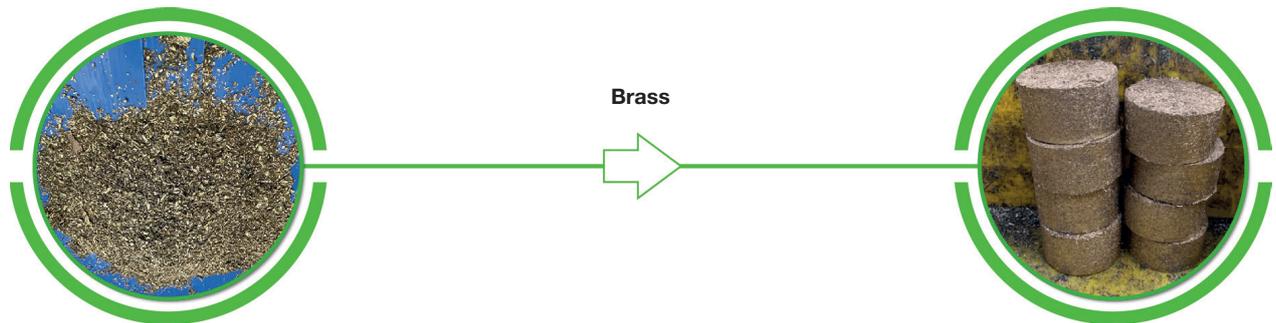
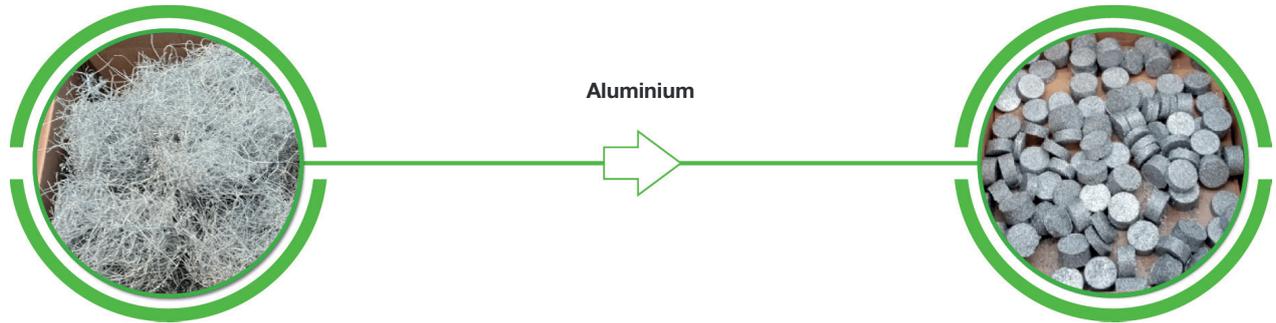
For the assessment of the compression results, we are running customised press trials using your materials, document the results for you and send you the resulting briquette samples.

Request a free non-binding press trial:

sales@fibro.com

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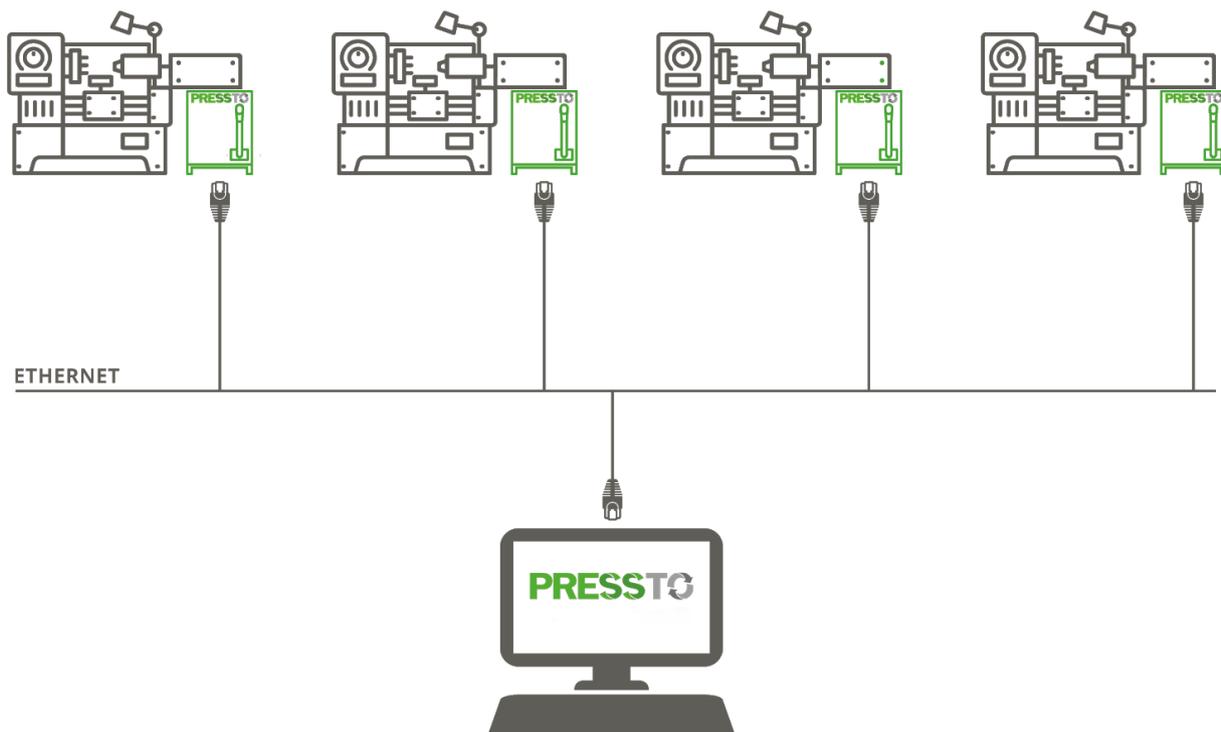
Industry 4.0

Networked control, central monitoring – intuitive operation.

Equipped with a SIMATIC HMI (Human Machine Interface) control panel, up to 30 machines can be networked, centrally monitored and intuitively operated.

Functions:

- + Remote access to machine parameters
- + Diagnostics and status display
- + Shutdown planning
- + Report creation
- + Automatic fault and fill level notifications by email



Installation methods

Reduction of the chip volume and recovery of the coolant lubricants

Stand-Alone

The optimal solution for machining centres with high chip counts. The stand-alone installation significantly reduces the chip volume and handling, saves on cooling lubricant and increases process reliability – also ideal for automated and unmanned manufacturing.

Advantages:

- + Up to 8-fold reduction of chip handling
- + Suitable for automated production
- + Cooling lubricant residues are nearly completely pressed out and fed in again
- + Higher failure protection due to individual configuration

Drawbacks:

- + Higher investment cost
- + More floor space required

Centralised

Cost-effective and space-saving solution, suitable for centralised briquetting of chips from multiple machines. Ideal for smaller workshops or applications with lower individual chip count.

Advantages:

- + Low investment cost
- + Less floor space required
- + Efficient cooling lubricant recovery

Drawbacks:

- + Higher intralogistic expenditure – longer transport routes
- + Fewer customisation options
- + Additional crushing of the chips may be necessary

Briquetting machine B080

The B080, a compact solution for even the most demanding applications.



Technical data

Model	B080			
Briquette diameter [mm]	56		70	
Hourly capacity - steel [kg/h]	30		50	
Hourly capacity - aluminium [kg/h]	15		30	
Efficiency of the briquette density	Standard	Booster	Standard	Booster
Compression force [t]	25	37	25	37
Compression pressure [kg/mm ²]	10	16	7	10
Dimension - l x b x h [mm]	1120 x 630 x 500 (min)			
Installed electrical power [kW]	3			
Hydraulic unit, maximum distance [mm]	3000			
Weight of the briquetting machine [kg]	400			

Options

- + Customer-specific funnel
- + Customer-specific discharge pipe
- + Booster to increase the briquette pressure
- + Titanium kit



Briquetting machine B100

The B100, ideal for use directly on a machine tool or as a centralized solution.



Technical data

Model	B100			
Briquette diameter [mm]	56		70	
Hourly capacity - steel [kg/h]	40		60	
Hourly capacity - aluminium [kg/h]	25		40	
Efficiency of the briquette density	Standard	Booster	Standard	Booster
Compression force [t]	25	37	25	37
Compression pressure [kg/mm ²]	10	16	7	10
Dimension Stand-Alone - l x b x h [mm]	1110 x 630 x 1440			
Dimensions centralised manually - l x b x h [mm]	1370 x 910 x 960			
Dimensions centralised automatically - l x b x h [mm]	1800 x 1350 x 1380			
Storage volume centralised [m ³]	1			
Installed electrical power [kW]	3			
Hydraulic unit, maximum distance [mm]	3000			
Weight of the briquetting machine [kg]	500			

Options

- + Centralised or stand-alone
- + Feed flap for simultaneous manual filling
- + Customer-specific funnel
- + Customer-specific discharge pipe
- + Anti-jam mixer
- + Booster to increase the briquette pressure
- + Titanium kit



Briquetting machine B120

The B120, the highest performance for use directly on a machine tool or as a centralized solution.

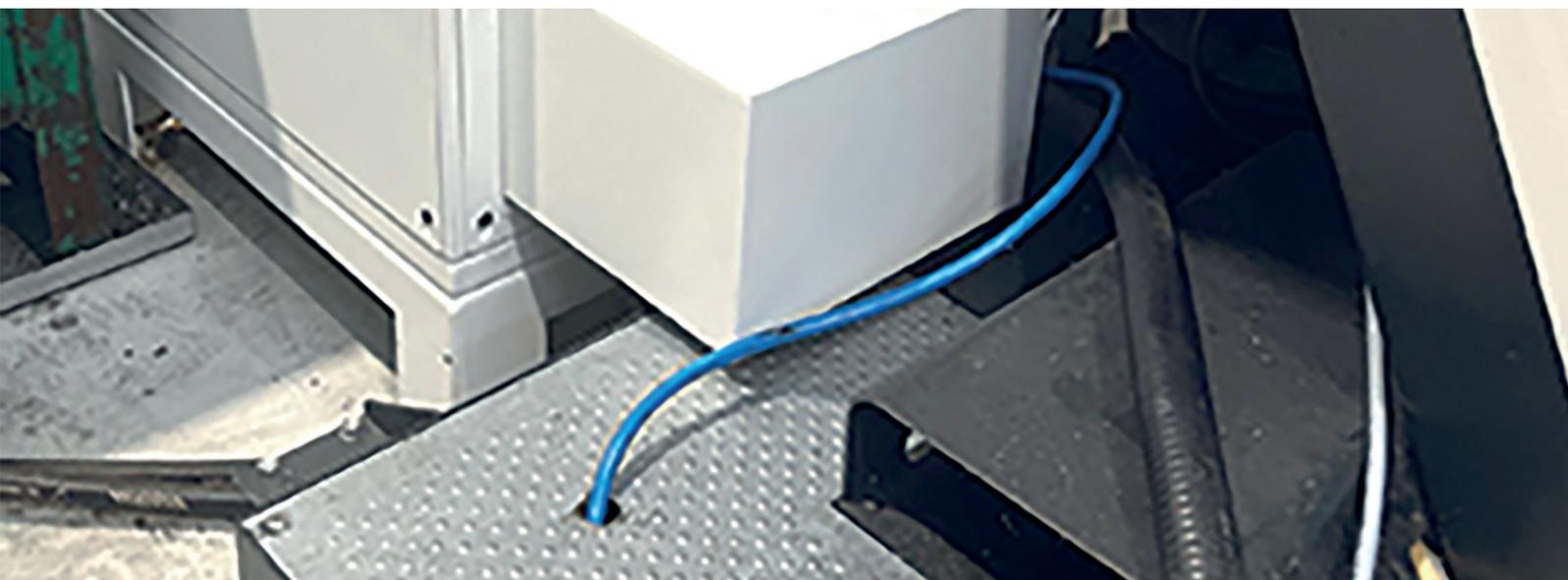


Technical data

Model	B120	
Briquette diameter [mm]	70	90
Hourly capacity - steel [kg/h]	60	110
Hourly capacity - aluminium [kg/h]	40	70
Efficiency of the briquette density	Booster	
Compression force [t]	62	
Compression pressure [kg/mm ²]	16	10
Dimension Stand-Alone - l x b x h [mm]	1180 x 750 x 1660	
Dimensions centralised automatically - l x b x h [mm]	1900 x 1450 x 1590	
Storage volume centralised [m ³]	1,3	
Installed electrical power [kW]	5,5	
Hydraulic unit, maximum distance [mm]	3000	
Weight of the briquetting machine [kg]	890	

Options

- + Centralised or stand-alone
- + Feed flap for simultaneous manual filling
- + Customer-specific funnel
- + Customer-specific discharge pipe
- + Anti-jam mixer
- + Booster to increase the briquette pressure



Briquetting machine for grinding sludge

Centralised solution specifically for
grinding sludge.



Technical data

Model	for grinding sludge
Briquette diameter [mm]	56
Schlammkapazität pro Stunde [kg/h]	35*
Recovery of coolant [l/h]	25*
Yielded pressed sludge [kg/h]	10*
Residual moisture [%]	3 ÷ 5
Dimension - l x b x h [mm]	1370 x 910 x 1050
Installed electrical power [kW]	3
Hydraulic unit, maximum distance [mm]	3000
Weight of the briquetting machine [kg]	540

*average values depending on the initial moisture of the sludge that is fed into the compressor.

Options

- + Feed flap for simultaneous manual filling
- + Customer-specific funnel
- + Customer-specific discharge pipe
- + Anti-jam mixer



Accessories

Various options for your intended purpose

Briquette container with hinged bottom

Simplified emptying of the collection container into centralised boxes or collection trolleys using the integrated hinged bottom.



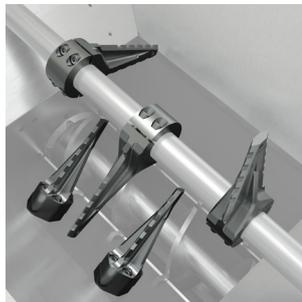
Chip catching kit high or low

Space-saving collection container to manually feed chips or grinding sludge with centralised solutions.



Removable anti-jam mixer

Additional anti-jam function with quick assembly and disassembly option for feeding chips.



Trolley

Easy moving and positioning of the briquetting machine for commissioning and maintenance.



Special auger

Increased efficiency when loading chips into the compression chamber.

**Open discharge pipe**

Open design for reduced thickening of unbriquetted chips to increase process reliability and service life.

**Photoelectric barrier**

Needs-based control of the work cycles to minimise the power consumption and to increase the service life.

**Drip tray**

Environmentally friendly collection of hazardous materials below the briquette container with hinged bottom.

**Monitoring and control software**

Networking and monitoring of up to 30 machines by remote control.



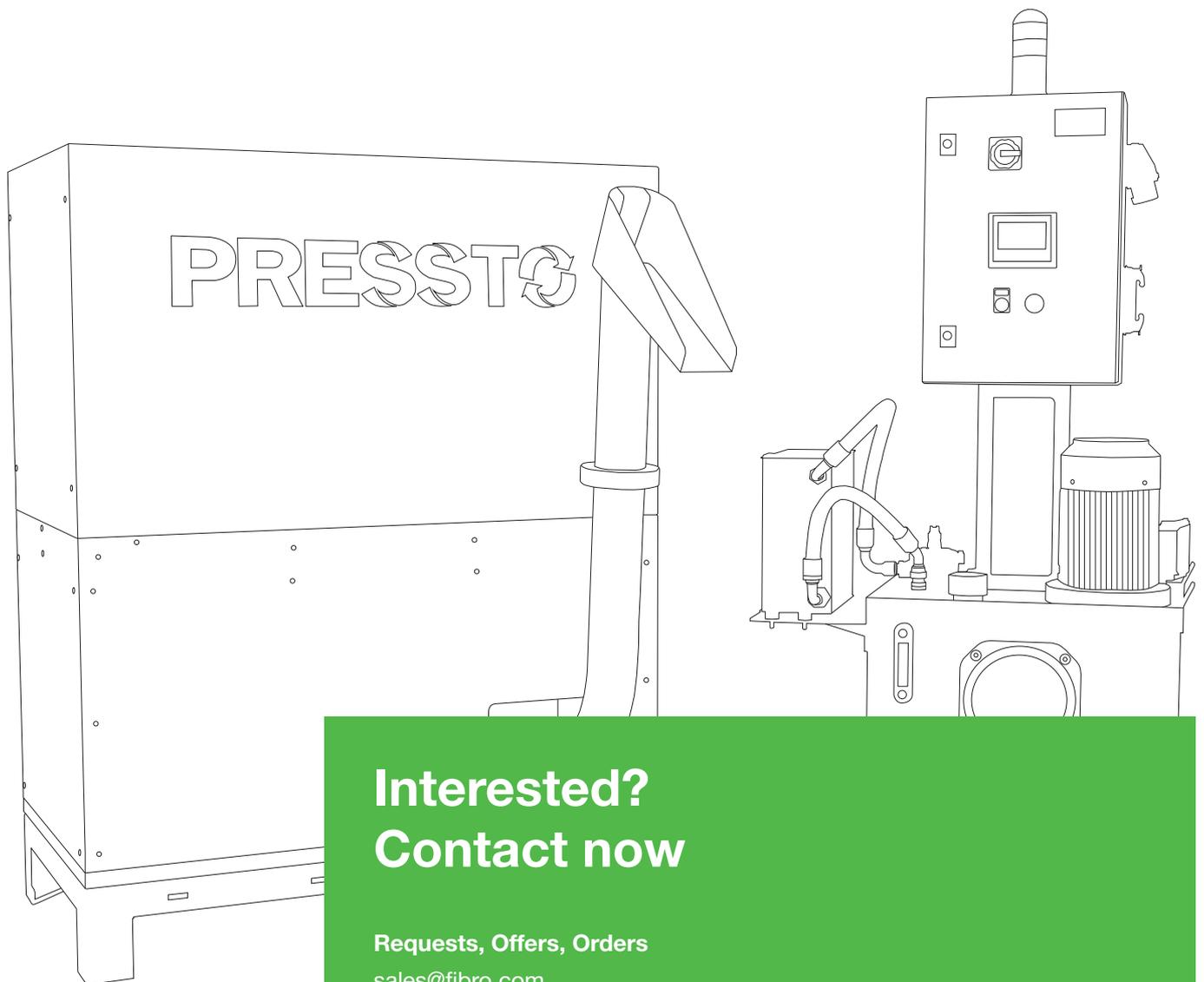
We support you

FIBRO as your service partner

PRESSTO is a brand of the FIBRO Group of Companies and stands for efficient briquetting solutions. Whether in small workshops or for fully automated applications – PRESSTO impresses with easy handling, reliable technology and a strong service network.

FIBRO is your direct contact – from individual consultation and proper commissioning to the reliable customer care over the course of operations. With its well-founded knowledge and many years of experience, FIBRO ensures that your briquette machine works efficiently and smoothly.





Interested? Contact now

Requests, Offers, Orders

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Contact us so we can find the optimal solution to meet your needs.

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