



Briquetting machines



Use the full potential of your production process.

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

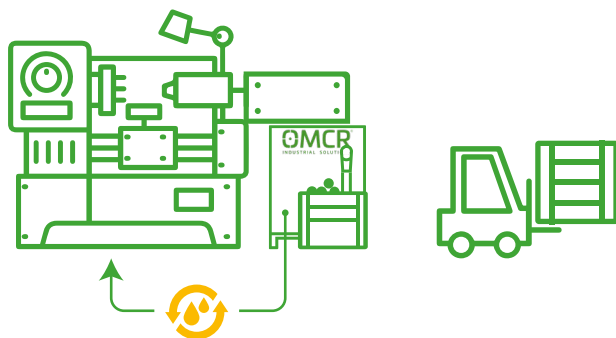
From waste to recyclable material

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

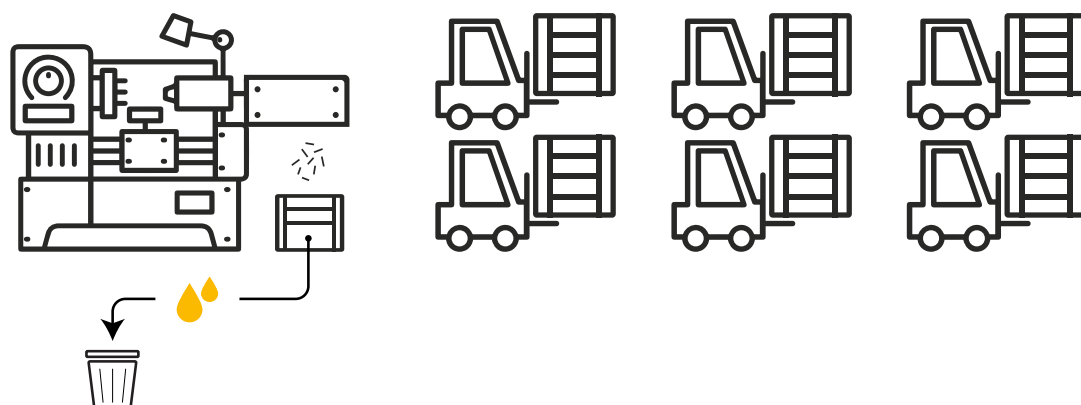
Industrial waste management is increasingly becoming a challenge for companies. BSH compactors offer a cost-effective and sustainable solution: they compress metal shavings with a significant reduction of the original volume, saving storage space and optimizing container handling. At the same time, they enable the recovery of the coolant up to 90%.

Thanks to their compact design, the compactors can be easily integrated into existing production processes and can be amortized within a few years.

With the Briquetting Machine



Without the Briquetting Machine



More value, more profit

Process optimization and cost reduction: your benefits at a glance.



Swarf volume reduction up to 90%

The swarf is collected in the briquetting machine and fed into a compression chamber where the volume is reduced.



Cooling lubricant recovery up to 90%

All the expensive cooling lubricant, which would normally be lost, are collected in a tank and fed back into the machining center, thus eliminating waste.



Best solution for unmanned productions

Installing BSH briquetting machines prevents production losses due to overflowing chip bins.



Reduction of handlings

The briquetting machine reduces the swarf bin emptying operations up to 90% with a consequent increase in safety and resource optimization.



Waste valorisation

The compaction of the chip allows to reduce the transport costs and increase the melting yield, thus obtaining a better selling price.



Sustainability and respect for the environment

The transport of compacted swarf eliminates the risk of spillage of liquids harmful for the environment and optimizes transport efficiency, reducing CO2 emissions.

Compaction results

Swarf volume reduction and coolant recovery.

BSH briquetting machine can process and compress a wide variety of materials.



We carry out free, customized compaction trials using your materials, document the results, and send you back the resulting briquette samples.

Request a free, non binding compaction test:

info@omcr-industrialsolutions.it

T +39 011 996 46 11

ALUMINIUM



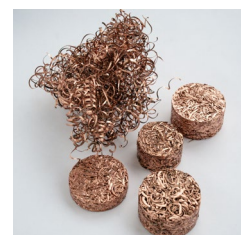
STEEL



BRASS



COPPER



Industry 4.0

Networked control, central monitoring – intuitive operation.

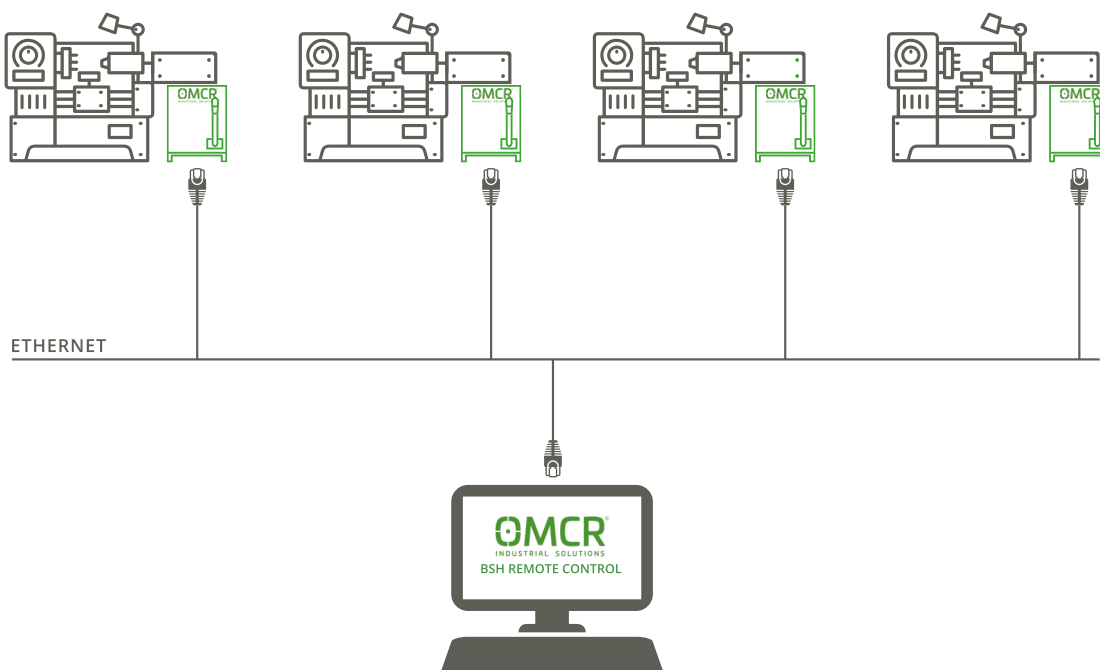
Equipped with a simple and intuitive SIEMENS HMI control panel, the machines can be networked for centralised monitoring.

Functions:

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



Control panel - detail



Types of installation

Choose the configuration that best meets your needs.

Stand - Alone

Best solution for machining center with a large daily output of swarf, with economic benefits in the medium term and a radical reduction of swarf bin handling in the factory. It completely eliminates the problem of managing residual cooling lubricant.

Advantages

- Significant reduction in handling operations
- Ideal for unmanned automated production
- Elimination of the problem of managing residual cooling lubricant
- Independent solution for greater reliability

Centralised

Optimal solution for smaller workshops: low initial cost and efficient management of the coolant.

Advantages

- Lower investment
- Ideal for plants with narrow space
- Efficient management of residual cooling lubricant



BSH080 STAND ALONE

A compact solution even for the most demanding applications.

BSH080 briquetting machines are designed for chip management in applications with low evacuation heights. OMCR's experience has resulted in a compact design suitable for even the most demanding applications.



Technical data

Model	BSH080			
Briquette diameter [mm]	56		70	
Hourly capacity - Steel / Cast iron [kg/h]	30		50	
Hourly capacity - Aluminum [kg/h]	15		30	
Briquette density performance	Standard	Booster	Standard	Booster
Compaction force [t]	25	37	25	37
Compaction pressure [kg/mm ²]	10	16	7	10
Dimensions [mm]	1120 x 630 x 500 (min)			
Electric power installed [kW]	3			
Hydraulic unit maximum distance [mm]	3000			
Weight [kg]	400			

Options

- Customised hopper
- Customised evacuation tube
- Booster to increase compaction pressure
- Titanium Kit
- Wheels



BSH100/120 STAND ALONE

A versatile solution for a wide range of applications.

Due to their adaptability, BSH100/120 briquetting machines are ideal to serve stand-alone machine tools with chip production up to 110 kg/h.
The optional anti-accumulation mixer, with hardened steel blades, ensures high and constant performance over time.



Technical data

Model	BSH100				BSH120	
Briquette diameter [mm]	56		70		70	90
Hourly capacity - Steel / Cast iron [kg/h]	40		60		60	110
Hourly capacity - Aluminum [kg/h]	25		40		40	70
Briquette density performance	Standard	Booster	Standard	Booster	Booster	
Compaction force [t]	25	37	25	37	62	
Compaction pressure [kg/mm ²]	10	16	7	10	16	10
Dimensions [mm]	1110 x 630 x 1440				1180 x 750 x 1660	
Electric power installed [kW]	3				5,5	
Hydraulic unit maximum distance [mm]	3000				3000	
Weight [kg]	500				890	

Options

- Customised hopper
- Customised evacuation tube
- Booster to increase compaction pressure
- Titanium Kit
- Wheels
- Mixer
- Photocell
- Special auger for turning or plastic processing



BSH100 / 120 CENTRALISED

An integrated solution for efficient management of the entire department.

Centralised BSH100/120 briquetting machines allow the processing of small and medium-sized chips, due to the capacity of the hopper up to 1.3 m³. The optional anti-accumulation mixer, with hardened steel blades, ensures high and constant performance over time.



Technical data

Model	BSH100				BSH120	
Briquette diameter [mm]	56		70		70	90
Hourly capacity - Steel / Cast iron [kg/h]	40		60		60	110
Hourly capacity - Aluminum [kg/h]	25		40		40	70
Briquette density performance	Standard	Booster	Standard	Booster	Booster	
Compaction force [t]	25	37	25	37	62	
Compaction pressure [kg/mm ²]	10	16	7	10	16	10
Accumulation volume [m ³]	1				1,3	
Dimensions [mm]	1800 x 1350 x 1380				1900 x 1450 x 1590	
Electric power installed [kW]	3				5,5	
Hydraulic unit maximum distance [mm]	3000				3000	
Weight [kg]	500				890	

Options

- Customised hopper
- Customised evacuation tube
- Booster to increase compaction pressure
- Titanium Kit
- Wheels
- Mixer
- Photocell
- Special auger for turning or plastic processing



BSH100MTS MANUAL CENTRALISED

**A centralised solution with manual feeding,
simple and efficient.**

The BSH100MTS compaction area is an innovative solution which allows waste management in compliance of the environment; ideal solution for machine tools with low chip production. Solution designed for ergonomic manual loading.



Technical data

Modello	BSH100			
Briquette diameter [mm]	56		70	
Hourly capacity - Steel / Cast iron [kg/h]	40		60	
Hourly capacity - Aluminum [kg/h]	25		40	
Briquette density performance	Standard	Booster	Standard	Booster
Compaction force [t]	25	37	25	37
Compaction pressure [kg/mm ²]	10	16	7	10
Dimensions [mm]	1370 x 910 x 960			
Electric power installed [kW]	3			
Hydraulic unit maximum distance [mm]	3000			
Weight [kg]	500			

Options

- Customised hopper
- Customised evacuation tube
- Booster to increase compaction pressure
- Titanium Kit
- Wheels
- Mixer
- Photocell
- Special auger for turning or plastic processing



BSH100SD CENTRALISED FOR SLUDGE

A specific solution for the management of grinding sludge.

The BSH100SD grinding sludge compactor enables the recovery of a large part of the liquid absorbed by the sludge with a reduction in the weight of the material to be disposed of, by more than 50%, significantly lowering disposal costs and reducing environmental impact.



Technical data

Model	BSH100SD
Briquette diameter [mm]	56
Hourly capacity - Sludge [kg/h]	35*
Coolant recovery [l/h]	25*
Pressed sludge obtained [kg/h]	10*
Residual humidity [%]	3÷5
Dimensions [mm]	1370 x 910 x 1050
Electric power installed [kW]	3
Hydraulic unit maximum distance [mm]	3000
Weight [kg]	540

* Average values depending on the initial moisture conditions of the sludge fed into the compactor.

Options

- Customised evacuation tube



Accessories

Designed to improve performance and versatility.

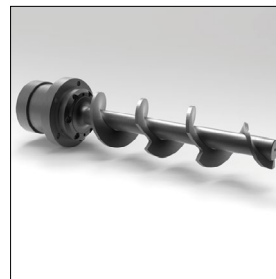
Anti-accumulation mixer

Suitable for applications with heavy discharge of short chips, with a removable mixer option for greater versatility.



Special auger

Profile specifically designed for the application, maximizing the efficiency of the chip loading cycle into the compression chamber.



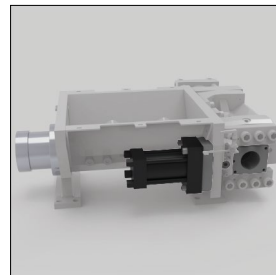
Manual loading

Lateral manual loading, allowing the handling of chips coming from other machining centers.



Titanium kit

For chips made of materials with high-strength, high friction, such as titanium.



Open evacuation tube

Designed to prevent the accumulation of non-briquetted chips and increase process reliability.



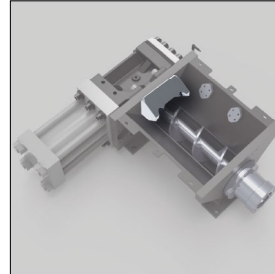
ALS - Auxiliary lubrication system

Auxiliary lubrication system for dry processes.



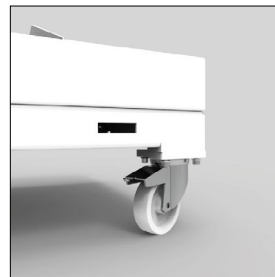
LCS - Long chip collection system

System dedicated to long chips prone to tangling.



Base with wheels

Base with brake-equipped pivoting wheels, for easy positioning during installation and maintenance.



Photocell kit

Work cycle controlled by a sensor, optimizing energy consumption.



Secondary emergency stop button

Second emergency stop button.



High/low swarf unloading kit

Swarf collection bucket for manual unloading on briquetting machine.



Openable bottom box

Simplified emptying of the collection container.





Contact us



www.omcr-industrialsolutions.it/en



+39 011 996 46 11



info@omcr-industrialsolutions.it



Via Quarantelli 8
10077 San Maurizio C.se (TO) - Italy

Follow us



[@omcrindustrial
solutions](https://www.linkedin.com/company/omcrindustrial-solutions)



[@omcrindustrial
solutions](https://www.youtube.com/channel/UC...)



[@omcrsrl](https://www.instagram.com/omcrsrl)

