Advantages and possibilities with briquetting

- Briquettes are easy to transport. The transportation costs are lowered.
- The price of swarf is increased with briquettes, above all for grinding sludge and aluminium.
- Briquettes are better by remelting in oven.
- With an automated swarf handling the production can be efficient - money to save.

Arboga-Darenth Briquetter type HLS

- Powerful design
- Low wear
- Low energy need as to briquette capacity
- Reduced costs in handling and transportation
- Low maintenance costs

Options

- Inspection opening. To be opened with tools.
- Rotation sensors as start or as level indicator (Full- and/or empty).
- Special layout with exit left.
- Heater for the oil - if the hydraulics is installed outside.
- External oil cooler for continuous operation.
- Special voltage and other options on request.

Arboga-Darenth Briquetter type BCM

- Compact built to save space
- Plug-in-ready - low installation costs
- Integrated tank with pump for coolant.
- Hopper of an optional size with vertically filled corners and extracting cutter equipped with blades - transport of the material from the hopper without making an arch.
- Feeding and pressing power automatically optimized by the control system depending on the material properties - uniform length and quality of briquettes even in case of changing of various types of materials.
- Sensor of the minimum level of material for automatic stop and start of the press - minimization of operating costs.
- Individual steps of the pressing cycle are controlled by a computer programming - easy adjustment to individual requirements.
- 2 off drive motors - save energy.
- Service hours counter, gauge of oil level in the tank, adjustable thermostat and oil cooler as part of the standard equipment.

ARBOGA-DARENTH SWarf BriquetTER TYPES HLS AND BRIKSTAR BCM

- High pressure
- High capacity

Swarf Briquetter

Robust push-out can connect to a conveyor.
Several sensors control the operation.

Swarf Briquetter

Revolving arm in the hopper evens the flow into feeding conveyor and guarantees a safe and reliable operation.
Arboga-Darenth Swarf Briquetters

ARBOGA-DARENTH markets two types of briquetters:
• HLS for steel, brass and cast iron etc.
• BrikStar BCM for aluminium and other “soft” material

Function type HLS
The short chips are fed to the briquetter by means of for example a steel belt conveyor to the receiving hopper on the feeding screw. The screw feeds the swarf into the inlet chamber, where a cylinder feeds the swarf in the correct quantity. At first pressing is made by the piston on the one side of the press. Final pressing is made by a cylinder on the opposite side. Separated coolant is collected in a tank equipped with pump and level gauge. The ready briquettes are automatically fed into a chute to a bin or to a conveyor.

Function type BCM
A hydraulic briquetter is perfect for briquetting of short swarf of light metals of type aluminium and magnesium. The briquetter is equipped with a bunker of 1-3 m³ depending on type. The bunker is fed by a truck, skip hoist or a conveyor. The bunker has two arms with cutters which are rotating in the bunker and feeds the swarf into a box with screw which forwards the swarf to the press chamber. The briquetter is pressing with a pressure of 83 MPa. The briquette diameter is 60 mm.

The outfeed of ready briquettes is made on a height of 940 mm. The briquetter is automatically controlled from the electric cabinet.

### Technical data Arboga-Darenth Briquetters type HLS and BCM

<table>
<thead>
<tr>
<th>Type</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>G (mm)</th>
<th>V (litres)</th>
<th>Cap. (h)</th>
<th>Kw</th>
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<td>1750</td>
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</table>

### Press power HLS and BCM

- HLS: 310 MPa
- BCM: 83 MPa

### Length of briquette HLS and BCM

- HLS: 60-100 mm
- BCM: 40-60 mm

### Max press power HLS and BCM

- HLS: 2734 bar
- BCM: 140 MPa

### Density HLS and BCM

- HLS: 4-5 kg/dm³ (steel)
- BCM: 1,6-2,1 kg/dm³ (steel)

### Dia. of briquette HLS and BCM

- HLS: 50,70,80,90 mm
- BCM: 60 mm