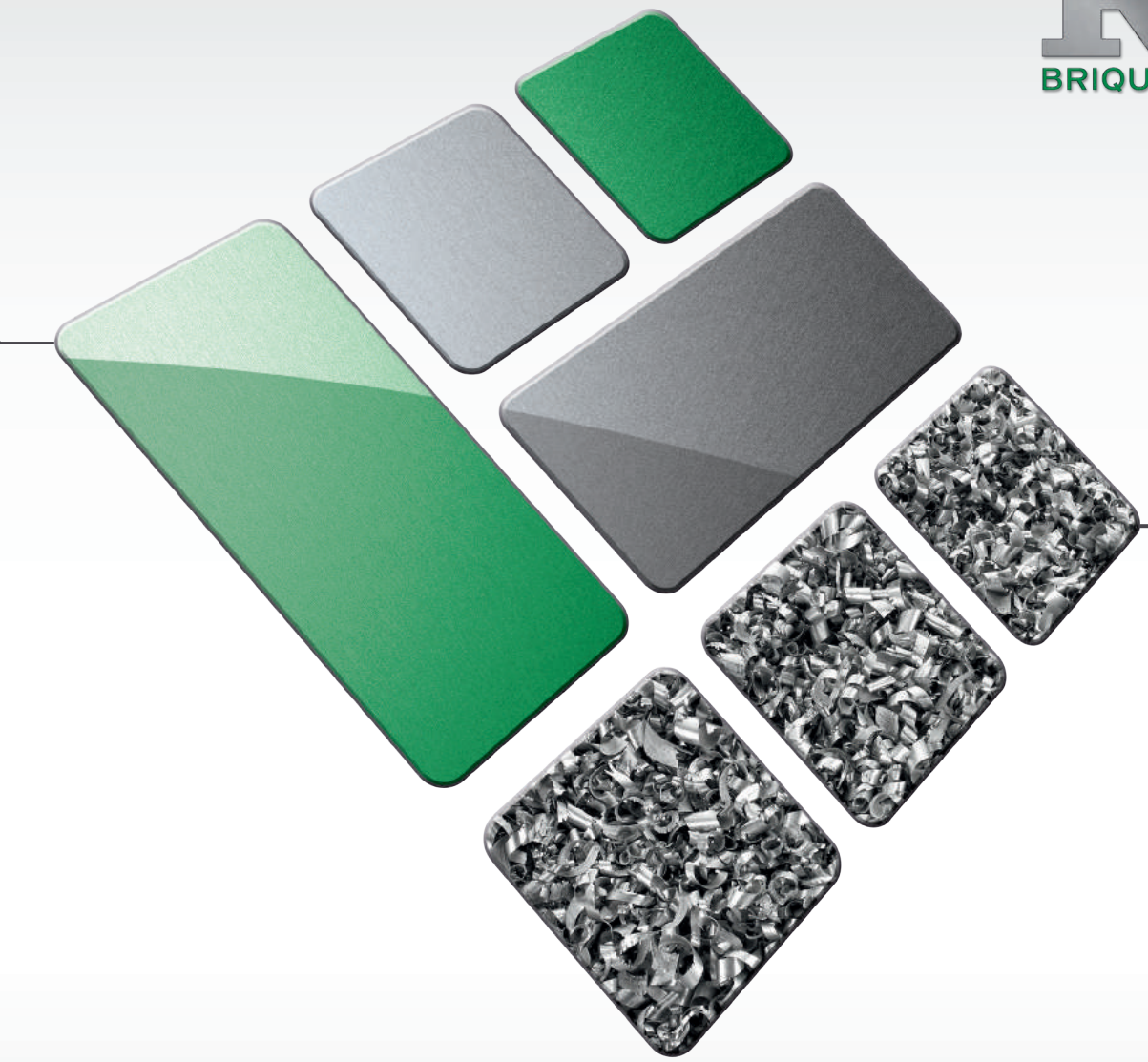
RUF.
BRIQUETTING SYSTEMS



METAL

AHB
TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

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RUF BRIQUETTING SOLUTIONS

FOR OPTIMAL METAL RECYCLING

Materials

Metal chips that are produced in the metalworking industry can be profitably pressed with RUF briquetting systems. Through the process of briquetting, the value of residual metals can be significantly increased and expensive cutting fluids can be pressed out of wet chips and reused. Melting briquettes instead of loose chips results in higher melting yields and makes scrap more attractive on the resale market.

Shapes

Metals can be processed into briquettes measuring between 2.4x1.6 in. and 6.0x5.0 in. The length of the briquette is variable and can be set between certain predefined limits. The choice of the briquette format depends on the required throughput as well as the quality of the source material and its bulk density. RUF briquetting systems give you the flexibility to select round or rectangular briquette shapes.

Benefits

- suitable for fully automatic 24/7 operation
- compact design
- low electrical demand with regard to output
- higher profits with briquettes compared to loose chips
- increased stability, reduced storage space, and higher melting yield
- recover expensive cutting fluid

Machines

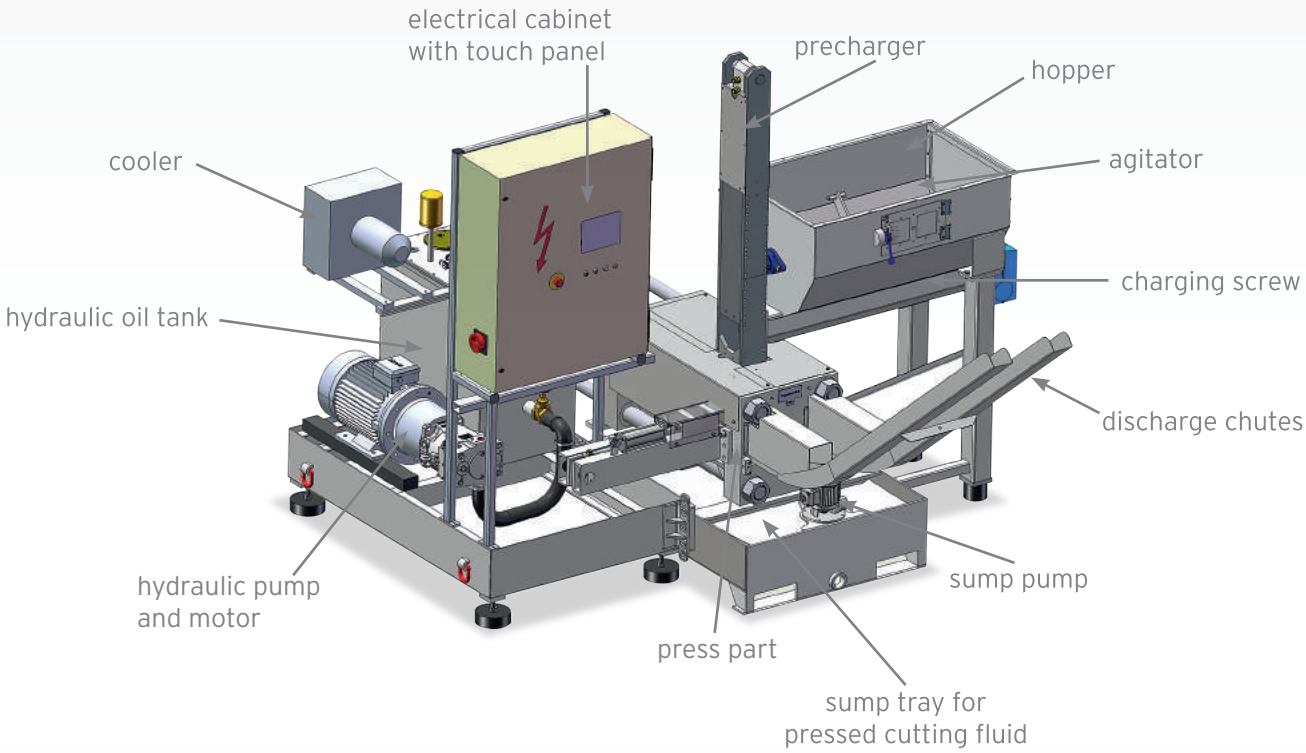
Our systems are powered by hydraulic motors that range between 5 hp and 125 hp and work at specifically calculated pressures of up to 72,500 psi. When configuring a briquetting system, we take into consideration all user-specific needs to create customized solutions. Our compact briquetting systems can be easily integrated into existing production facilities and are designed for fully automatic 24-hour operation.

The throughput capacities of RUF metal briquetting systems are between 70 and 10,000 lbs per hour.

TECHNICAL SPECIFICATIONS

RUF BRIQUETTING SYSTEMS

PROCESS AND FEATURES



Metal					
Mechanical		**Hydaulic**		**Electrical**	
Compact unit mechanical, hydraulics and electrical	●	Hydraulic system	●	Electrical cabinet	●
Hopper with agitator and charging screw	●	Hydraulic oil tank with oil cooler	●	PLC control with touch panel	●
Pre-charger with pre-charging control	●	Recirculation filter	●	Level sensor in hopper	●
Press-part	●	Breather filter	●	Electrical cabinet heater	❍
Main pressing ram	●	Low oil and high temp protection	●	Electrical cabinet cooler	❍
Coolant pan for pressed cutting fluid	●	Hydraulic oil	●	Alarm light	❍
Discharge chutes	●	Hydraulic oil tank heater	❍		
Briquette conveyor	❍	Water/oil cooler	❍		
Agitator roll	❍				
Multiple conveying screw	❍				
Hydraulic lifting and tipping unit	❍				
Coolant pump	❍				
Spraying device	❍				
Grinding chips design	❍				
Flushing system	❍				

Legend: ● =Standard ❍ =Option

MACHINE TYPES

BRIQUETTER SPECIFICATIONS

METAL	RAP	RUF 4 to RUF 11	RUF 11 to RUF 22	RUF 18.5 to RUF 55	RUF 75-90
Max. throughput rate (lb/h)					
Aluminum	60-110	130-700	300-1,500	660-3,600	2,200-5,400
Steel & cast iron	60-180	200-450	300-1,900	770-7,600	5,200-13,000
Brass, bronze, copper	110-220	250-500	350-2,600	1,000-6,000	6,900-10,500
Power (hp)	5	5-15	15-30	25-75	100-125
Spec. pressure, max. (psi)	23,200-55,000	23,200-53,600	19,400-75,400	23,500-72,500	35,800-55,900
Briquette shape (in)	2.4x1.6 2.4x2.4 3x1.6 3	2.4x1.6 2.4x2.4 2.4 3	6x2.4 6x3 6x5 2.4 2.8 3 4	6x3 6x5 3 4 4.7	4.7 6
Briquette length (in)	1-2.4	1-4	2-4	2-4	2-6
Machine size (in) Length x Width x Height	52x40x63	52x59x75 to 63x63x77	107x79x87 to 130x95x87	114x95x87 to 130x95x87	150x150x99
Machine weight (lbs)	2,400	3,300-4,400	7,400-8,600	10,200-14,300	26,400

Subject to technical modifications - Capacity depends on the material properties

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