

**HAZEMAG**



# HAZEMAG Secondary Impact Crusher | HSI





## Secondary crushing – cost-efficient and modular

The new HAZEMAG concept unites our know-how of more than 60 years combined with the practical experience and the demands of the plant operators. The HSI series has been designed for the economic secondary crushing and, depending on its configurations, processing of either soft and medium-hard or hard rocks.

It is a modular system with the objective of fulfilling every scope of work in the bulk goods industry. The machine's fittings as well as its control may be modularly adapted to the individual requirements and wishes of the operators – even up to a fully automatic mode. Depending on the properties of the feed material, the crushing ratio and the desired requirements on the product grain size, feed sizes of up to 450 mm and throughput rates of 700 t/h max. are possible.

### **Hydraulic suspension of the impact aprons**

Due to the hydraulic suspension of the impact aprons not only a simple and fast adjustment of the opening widths is guaranteed but also an overload protection. As soon as the crushing forces in the crushing chamber exceed a predefined limit value, the impact aprons retract and thus protect the built-in parts, such as rotor, blow bars and impact aprons, from potential damages. After the retracting procedure the impact aprons move back in a controlled manner into their original position, so that the crushing operation can be continued without interruption. In addition the hydraulic suspension offers the comfortable possibility of a simple readjustment and a quick on the spot-adaptation to the individual procedural conditions on the machine or from the switchboard.

### **Grinding path**

The HSI series may optionally be fitted with a grinding path. The grinding path restricts the amount of oversize and supports the generation of a cubical and stress-free product.

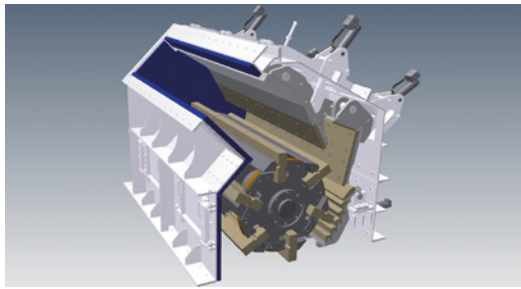
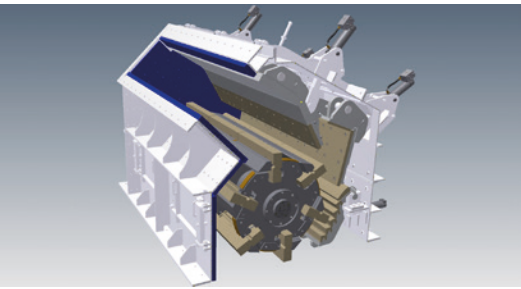
### **Rotor**

The rotor is the key component in the crushing process. The optimum rotor type is selected according to the crushing requirements and the characteristics of the feed material. The blow bars are locked in position in the holders by means of wedges, which can be easily removed for blow bar changing. The rotor body together with shaft and bearings forms the „heart“ of the impact crusher.

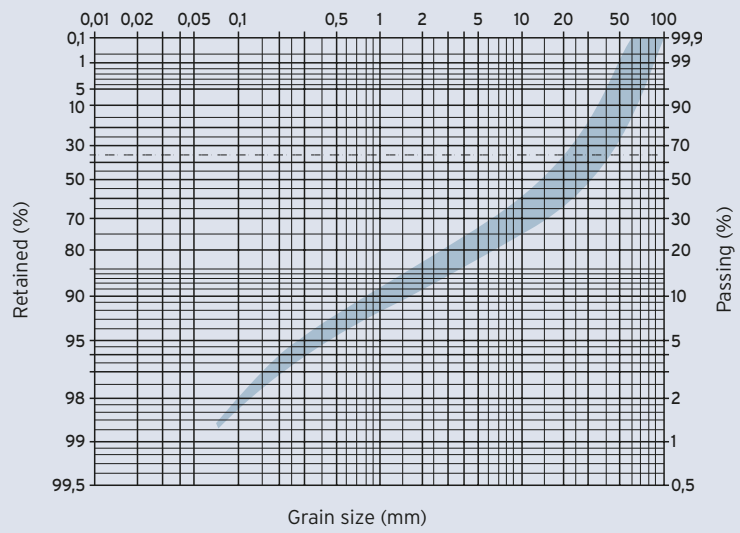
### **HAZtronic**

With the HAZtronic system, the crusher can be controlled and adjusted from the main control panel. All the settings which determine the end product can be input and called up at the touch of a button without interrupting operation. This means that immediate reaction and adjustment to varying operating conditions can be effected at all times to ensure optimum productivity.

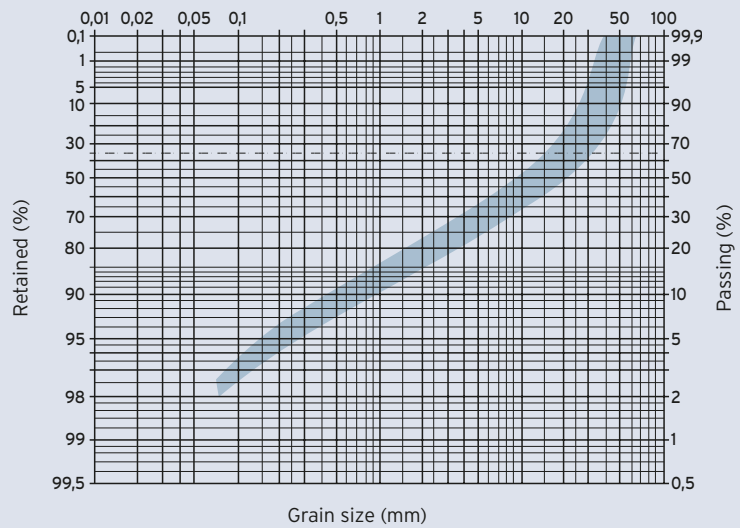




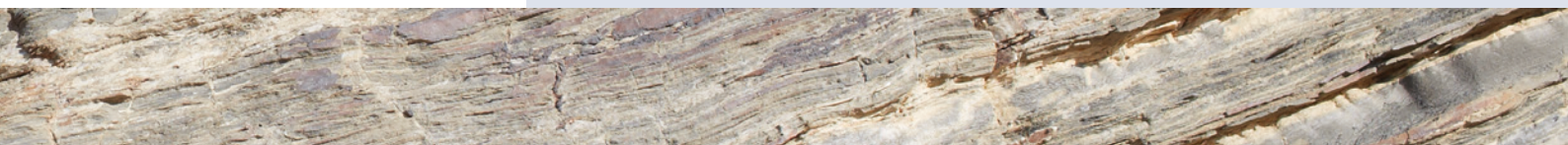
**Granulation curve HSI without grinding path**



**Granulation curve HSI with grinding path**



Secondary Impact Crusher | HSI opened



# HAZEMAG

## redefines secondary crushing

Type	Rotor Φ x Width [kW]	Inlet Height x Width [mm]	Capacity 95 % < 45 mm [t/h]	Hard Rock			Soft to Medium hard, Low abrasive		
				Edge- Length of Lump [mm]	Installed Power [kW]	Weight [kg]	Edge- Length of Lump [mm]	Installed Power [kW]	Weight [kg]
HSI 1007	1,030 x 670	495 x 690	40 - 90	180	75 - 110	6,800	300	45 - 90	5,950
HSI 1010	1,030 x 1,000	495 x 1,020	90 - 120	180	110 - 160	9,050	300	90 - 132	7,200
HSI 1014	1,030 x 1,340	495 x 1,360	120 - 160	180	160 - 200	10,700	300	132 - 160	9,300
HSI 1414	1,340 x 1,340	580 x 1,360	160 - 300	220	200 - 355	16,500	350	160 - 320	13,200
HSI 1420	1,340 x 2,000	580 x 2,020	300 - 420	220	355 - 500	23,000	350	315 - 400	19,800
HSI 1625	1,540 x 2,500	710 x 2,520	400 - 600	280	630 - 800	35,000	450	400 - 600	31,000
HSI 1630	1,540 x 3,000	710 x 3,020	600 - 700	280	800 - 950	42,000	450	630 - 710	37,200

\* Secondary Impact Crusher HSI without grinding path | \* values are variable and can be aligned to the particular requirements

Type	Rotor Φ x Width [kW]	Inlet Height x Width [mm]	Capacity 95 % < 45 mm [t/h]	Hard Rock			Soft to Medium hard, Low abrasive		
				Edge- Length of Lump [mm]	Installed Power [kW]	Weight [kg]	Edge- Length of Lump [mm]	Installed Power [kW]	Weight [kg]
HSI 1007	1,030 x 670	495 x 690	40 - 90	180	90 - 132	6,950	300	55 - 110	6,100
HSI 1010	1,030 x 1,000	495 x 1,020	90 - 120	180	132 - 200	8,500	300	110 - 160	7,350
HSI 1014	1,030 x 1,340	495 x 1,360	120 - 160	180	200 - 250	10,900	300	160 - 200	9,500
HSI 1414	1,340 x 1,340	580 x 1,360	160 - 300	220	250 - 400	16,800	350	200 - 355	13,500
HSI 1420	1,340 x 2,000	580 x 2,020	300 - 420	220	400 - 630	24,000	350	355 - 500	20,800
HSI 1625	1,540 x 2,500	710 x 2,520	400 - 600	280	710 - 900	36,000	450	500 - 710	32,000
HSI 1630	1,540 x 3,000	710 x 3,020	600 - 700	280	900 - 1000	43,500	450	710 - 900	38,700

\* Secondary Impact Crusher HSI with grinding path | \* values are variable and can be aligned to the particular requirements