THE DANIELI HENSCHEL SERVICE ADVANTAGE

Only our service centres are qualified and authorised to produce components patented or designed by DANIELI HENSCHEL!

Our experienced, multi-lingual advisers are there to assist you in several countries.

- Versatile on-site service teams to solve all your maintenance problems
- Remote servicing via telediagnosis
- Stock management to supply your replacement parts as quickly as possible
- Contracts of periodic inspections or technical assistance
- Individualised training of your working staff

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BMH 12/2013 - GB

GRINDER MILLS
250 → 630 KW

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BMH RANGE

With their very high torque, DANIELI HENSCHEL grinder mills, equipped with a vertical rotor mounted with stars, are especially suitable for processing by the hardening of bulk metallic waste such as new offcuts, blinding, aluminium and armatures, etc. This versatile grinder also shreds complementary products such as WEEE, plastics, CIW, ELV residue, etc. The grading and optimum quality obtained facilitate the recycling of these types of waste.

SPECIFIC ADVANTAGES

- Final product complying with the highest standards of the steel industry regarding quality
- Densification of the final product up to 3.5 t/m³, allowing use for specific applications, e.g. as cooling scrap in metallurgical processes
- Refining of especially polluted incineration scrap, after screening
- Optimisation of wear thanks to the two-way rotor
- Robust design guaranteeing low maintenance costs
- With its tremendous versatility, it addresses many problems

WORKING PROCESS

- Hardening the material by crushing it against a wall using a rotor equipped with manganese steel star cams
- Two to three reduction stages, with gradual densification of the product from one level to the next
- Evacuation of unshreddable material via hydraulic exit door
- Easier release of the various shredded components
- Separation of lightweight sterile waste by ventilation
- Regular and uniform output flow without risk of excess accumulation

MAIN SPECIFICATIONS

Feed rate	250 → 630 kW
Loading opening	600 x 760 → 700 x 800 mm
Speed of rotation	400 → 580 rpm
Tangential speed	28 → 42 m/s
Production capacity (for an average input density ≈ 0.8 at the feed)	2 → 16 t/h
Output density	1,5 → 3,5 t/m³

Domestic scrap

< 12 t/h - output density 1,6

Pre-shredded ELVs

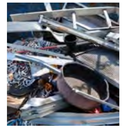
< 10 t/h - output density 1,7

Forge tabs

< 22 t/h - output density 1,8

Gaz bottles

< 15 t/h - output density 1,9



Aluminium

< 14 t/h - output density 0,6

Copper

< 10 t/h - output density 1,1

Incinerated

< 16 t/h - output density 1,4

Fluff

< 30 t/h - output density 0,7

WEEE

< 12 t/h - output density 0,5

Cans

< 12 t/h - output density 0,5

PVC

< 12 t/h - output density 0,6

Wood

< 10 t/h - output density 0,3

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PRODUCTIVITY

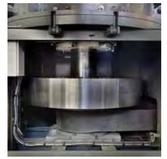
- Hopper opening for optimum feed by conveyor
- Rotor developed to favour material capture
- Several rotor configurations for different applications
- Adjustable grinding grading using different-sized star cams
- Efficient evacuation of shredded products by reinforced scrapers

ERGONOMICS

- Installation according to customer requirements
- Compact hydraulic units
- Human/machine interface by touch screen display
- Small footprint

SAFETY

- Compliant with the Machine Directive 2006/42/EC
- Feed hopper designed to avoid projections
- Fast evacuation of unshreddable material via exit door
- Protection of ventilation via overpressure vents



MAINTENANCE

- Easy access to the rotor via the hydraulic opening in the casing
- Automatic greasing of rotor blades
- Essential maintenance is reduced to:
  - → Replacing the star cams
  - → Reloading the tips of the disks and anvils
  - → Replacing the shielding parts of the casing
  - → Cleaning the transmission
- Quick mounting of wear parts
- Long working life and low maintenance costs
- GSM modem for remote diagnostics

WORKING LIFE

- Robust, reinforced design
- Casing protected by abrasion-resistant plates and manganese steel shielding parts
- Reinforced protection:
  - → of the motor, via hydraulic coupler
  - → of the transmission, via notched flexible belt

OPTIONS

- Metallic feed conveyor slaved to the grinder load
- Acoustic enclosure
- Ventilation according to the products being processed
- Complete line with magnetic sorting
- Sorting booth

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