

# SHEARS WITH AUTOMATIC CONTINUOUS OPERATION

## 500 → 1100 T

DANIELI HENSCHEL

### 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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# SHEARS WITH AUTOMATIC CONTINUOUS OPERATION

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## CIC RANGE

Thanks to their continuous and fully automatic functioning, DANIELI HENSCHEL CIC type shears are particularly suited to treat scrap of great length, requiring high densification and production capacity.

### SPECIFIC ADVANTAGES

- Stationary and semi mobile machines
- Direct and continuous feeding into an open box with great storage capacity
- Not pre-processing cost of long length scrap thanks to a box with no length limitation
- Time released for the crane driver to manage the scrap yard
- Implementation surface reduced by 40 to 70% compared to other shears categories
- Reduction of the shearing ton cost

### WORKING PROCESS

- Continuous automatic shearing operating cycle
- Direct and continuous loading into a vibrating inclined floor box, transporting the scrap towards the shear head
- Compression of scrap for each cycle, by means of two side flippers and a staged clamping ram
- Indexing of the shearing and reducing rams by way of magnetostrictive sensors

### MAIN SPECIFICATIONS

■ Shearing force		500 → 1100 t
■ Cutting width		1000 → 1400 mm
■ Cutting length		320 → 860 mm
■ Infeed box dimensions		6900 x 2000 → 11000 x 2400 mm
■ Clamping force		100 → 350 t
■ Flippers force		180 → 540 t
■ Total installed power	diesel	127 kW (170 HP) → 440 kW (590 HP)
	electric	95 → 460 kW
■ Production		< 57 t/h



### ERGONOMICS

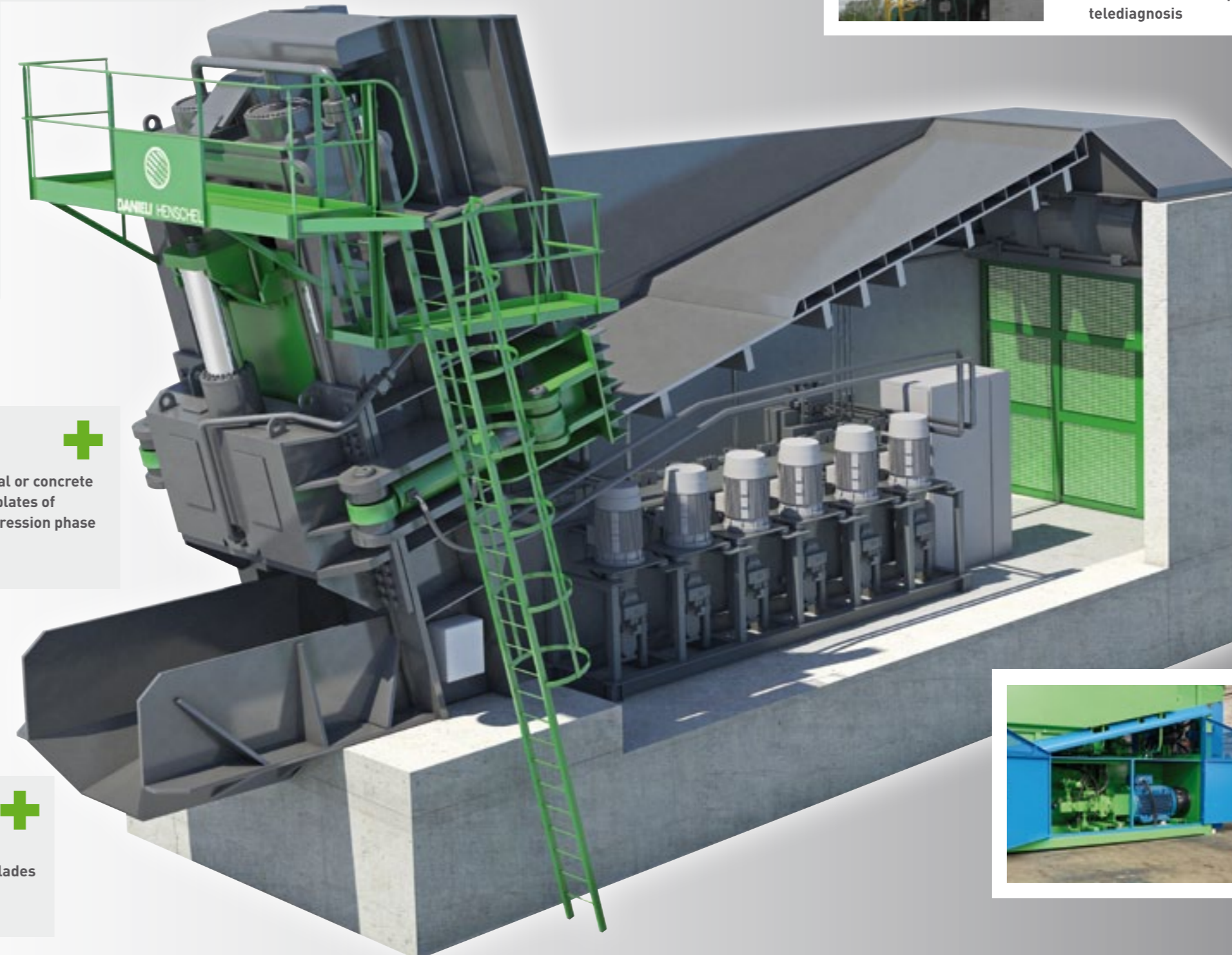
- Open feeding box accessible from both sides of the machine
- Better vibrating floor inclination to allow the housing of scrap of great length (up to 14m)
- Man/machine interface via touch screen display
- Machine feedback on the two-way remote control

### WORKING LIFE

- Overall protection of the installation: metal or concrete
- Minimum wear of the abrasion-resistant plates of the box, due to the absence of a pre-compression phase
- Generously sized guiding surfaces
- Metal protection on the clamping ram

### AVAILABLE EQUIPMENT

- Retractable cutting stop
- Hydraulic holding system on stationary blades
- Soundproofing of the hydraulic unit
- Swivelling steel plate conveyor



### MAINTENANCE

- Centralised and protected maintenance
- Better accessibility thanks to implemented gangways and decks
- Automatic greasing of shear head and box
- GSM modem or telephone line for teliagnosis



### SAFETY

- Compliant with Machinery Directive 2006/42/EC
- Safety setting in maintenance areas
- Protection preventing any dangerous oscillation of hydraulic hoses



### HYDRAULIC POWER UNIT

- Electric or diesel versions compliant with latest European directives
- Hydraulic unit situated under the feeding box, to gain important floor space
- Industrial hydraulic pumps