The most modern and cost-effective solutions for shredding and recycling scrap metals and non-ferrous materials.
Thanks to the powerful collaboration between the various divisions of the Danieli Group, we are able to offer all the technological equipment, auxiliary systems and infrastructure needed to install a complete plant, sparing the customer all the costs and delays arising from coordinating various suppliers.

| SHREDDER | Rotor Throat Hammers Power Production Production |
|----------|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| DCR-1817 BD | 1800 71 1780 70 118 260 6 600 805 8 ~ 13 |
| DCR-1822 BD | 1800 71 2020 89 118 260 8 720 1005 12 ~ 18 |
| DCR-1827 BD | 1800 71 2700 106 118 260 10 930 1250 17 ~ 24 |
| DCR-2227 BD | 2250 89 2700 106 201 445 14 1100 1400 20 ~ 40 |
| DCR-2727 | 2700 106 2700 106 201 445 14 1100 1400 20 ~ 40 |
| DCR-3230 | 3200 130 3000 118 385 849 20 1350 1800 30 ~ 50 |

Through a continuous process of product development, Danieli Lynxs scrap shredder plants combine technical ingenuity with engineering excellence. We deliver scrap shredders starting from 600 kW (800 Hp) right up to 7,475 kW (10,000 Hp) that offer world leading performance and reliability at industry leading low operating costs.

Our robust and reliable plants are designed and built to meet the arduous conditions imposed when processing heavier grades of scrap metal.

A complete service is available to the scrap shredder operator from full turnkey design, manufacture and installation of new integrated facilities to the supply of replacement rotors and wear parts. At existing sites, our experienced engineers can offer new insight and practical solutions to modernise and enhance production output, metal recovery and overall efficiency.
Danieli Lynxs downstream plants efficiently clean and separate the pulverised material discharged by the Shredder. Extensive experience and expertise combined with leading-edge technology (including state-of-the-art magnets with a steel product polishing capability) ensure full recovery of a high-quality low copper content ferrous product coupled to the highest possible grade of non-ferrous residue.

Our innovative mill geometry and one-touch computer-based Maximise control system gives high throughput with low power consumption. Comprehensive material disintegration ensures optimum separation and non-ferrous product yield. State-of-the-art dust extraction, suppression and control techniques mean that all our equipment meets current and foreseeable statutory environmental requirements.

Clean steel scrap
- Clean low copper content high-density fragmentised steel scrap
- Open fragment form prevents non-ferrous inclusions

Effective separation and recovery
- Uniform fragment size allows non-ferrous metal separators to be set for narrow range and hence at their most efficient
- Automated recovery of high-value non-ferrous materials
- Lower transportation, secondary processing and handling costs

Efficient and cost-effective
- Uniform pulverisation allows unimpeded recovery of non-ferrous metals
- Enclosed conveyor system reduces and prevents wind spillage
- Copper wire fragments can be removed by metal sensing separator
Danieli Henschel Pre-Shredders can be easily installed within existing plants or in conjunction with our smaller shredders enabling heavier material to be processed.

With two- or three-rotor shafts, direct motor drive and bigger tooth profile the pre-shredder has more torque, faster input revolution, higher efficiency and production rates from 25 t~120 t/h.

Pre-Shredder

Specific advantages:

- Improved shredder production by preparing a homogeneously graded, densified product, reducing shredding time.
- Significant reduction of explosions in the shredder
- Detection of unshreddable material upstream from the shredder
- Increased service life of wear parts in the shredder
- Smoothing of shredder electricity consumption
- Optimised logistics for collecting products to be processed, by reducing intermediate handling and transport volumes
- Prevent environmental problems

Danieli Lynxs Heavy Duty Scrap Shredders are supplied with the following exceptional features as standard

- High-inertia long-life totally enclosed capped Rotor
- Heavy-duty Rotor Bearing Housings
- Rotor Lifting Device for easy and safe maintenance access
- High impact resistant Top Discharge Grid
- High impact resistant alloy steel liner plates
- Hydraulically opened & latched Top Section for easy and safe maintenance access to Middle Section liner plates
- Hydraulically operated Top Discharge Grid Closing Door
- High-speed single-stroke hydraulic Hammerpin Puller
- Hydraulically fixed Anvil
- Single unified base structure for increased stiffness & strength in vicinity of anvil
- Inventive Lower Grate arrangement for increased discharge area
- Separate replaceable Chute Nose fabrication
- Separate replaceable Hinge Bracket between Base and Middle sections
- Modified Middle Section Side Liner wear plates for long life
- Reject Door
- New ring frame Compression Feeder configuration
- Integrated water based Dust Suppression System as standard
Infeed Systems

Spare parts

Support and services

Modernisation & Refurbishment Services

Danieli Lynxs customers enjoy attentive, professional customer service that is tailored to each individual installation.

At our headquarters we hold an extensive range of components and wear parts to suit not only all our own machines but also many of the world’s scrap shredder installations.

Danieli Lynxs offers worldwide extensive specialist modernisation and refurbishment services for existing Scrap Shredder Plants and Rotors.

Tilt Tables

The Tilt Table is manufactured in heavy plate sufficient in strength to absorb impact forces during loading and is mounted on a separate frame. A single hydraulic cylinder is provided for lifting the table to the feeding position.

Infeed Conveyors

The conveyor frame is constructed from heavy steel plate and rolled section to provide a massive rigid construction in the loading area; the sidewalls are constructed from thick steel plate. Within the side frames, labyrinth seals are installed to prevent lateral spillage and eliminate chain damage. The conveyor belt is an assembly of steel plate fabrications, stiffened and fitted with welded section ‘piano’ type hinges. All rollers and rails are manufactured from hardened steel alloy in order to reduce wear and ensure prolonged operational life.

Tilt Table
Infeed Conveyor

1 Tilt Table
2 Infeed Conveyor

1 Rotor
2 Rotor Caps
3 Hammer
4 Hammer Pins
5 Bearing Housing
6 Carrier Shaft
7 Feed Roll Shells
8 Axel
9 Bottom Grid
10 Anti-Abrasion plate
11 Rear Wall Castings
12 Reject Door
13 Top Grid
14 Front Wall Castings
Danieli Lynxs design, manufacture and install state of-the-art scrap shredder air cleaning systems to ensure low dust emissions. Based upon closed-loop technology, our plants meet and exceed all current and projected prominent environmental requirements and legislation.

Unique separation plant configurations offer maximum metal recovery which may be simply coupled to practical off-line Shredder Light Fraction (SLF) processing alternatives.