

DANIELI LYNXS  
SHREDDERS  
OUR KNOW-HOW  
YOUR HIGHER  
PERFORMANCE

The most modern and  
cost-effective solutions for shredding  
and recycling scrap metals and  
non-ferrous materials.

DANIELI LYNXS



# > Danieli Lynxs A Winning Team <



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 rate Fe	Production rate Al
		mm	inch	mm	inch	Kg	lb	Q.ty	Kw	Hp		
DCR-1817	BD	1800	71	1780	70	118	260	6	600	805	8 ~ 13	
		1800	71	1780	70	118	260	8	600	805	12 ~ 20	10 ~ 35
		1800	71	1780	70	118	260	10	750	1005	16 ~ 24	15 ~ 65
DCR-1822	BD	1800	71	2250	89	118	260	8	750	1005	12 ~ 18	
		1800	71	2250	89	118	260	10	930	1250	24 ~ 32	16 ~ 65
		1800	71	2250	89	118	260	12	1030	1380	28 ~ 36	
DCR-1827	BD	1800	71	2700	106	118	260	10	930	1250	17 ~ 24	
		1800	71	2700	106	118	260	12	930	1250	30 ~ 40	15 ~ 65
		1800	71	2700	106	118	260	14	1030	1380	35 ~ 45	20 ~ 70
		1800	71	2700	106	118	260	20	1500	2010	50 ~ 60	
DCR-2227	BD	2250	89	2700	106	201	443	14	1500	2010	45 ~ 54	
		2250	89	2700	106	201	443	16	1875	2515	60 ~ 80	20 ~ 100
		2250	89	2700	106	201	443	18	2250	3020	70 ~ 90	
		2250	89	2700	106	201	443	20	3000	4025	85 ~ 120	
DCR-2727		2700	106	2700	106	263	580	20	3000	4025	90 ~ 150	
		2700	106	2700	106	263	580	20	4420	5930	120 ~ 180	
		2700	106	2700	106	263	580	20	5220	7000	140 ~ 210	
DCR-3230		3300	130	3000	118	385	849	20	5220	7000	180 ~ 240	
		3300	130	3000	118	385	849	20	6000	8050	210 ~ 280	
		3300	130	3000	118	385	849	20	7475	10000	250 ~ 330	



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.



**Ferrous**

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.



**Shredded Steel**

**Non-ferrous Residue Fines**

**Non-ferrous Residue**

**Aluminium Shredded**

**Induction Sorted**

**Non-Ferrous**

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

Danieli Lynxs Shredder: "Our know-how, Your higher performance".



- > 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

## Pre-Shredder

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.

### 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





## Infeed Systems

### 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.

- 1 Tilt table
- 2 Infeed conveyor

1



2



## Spare parts

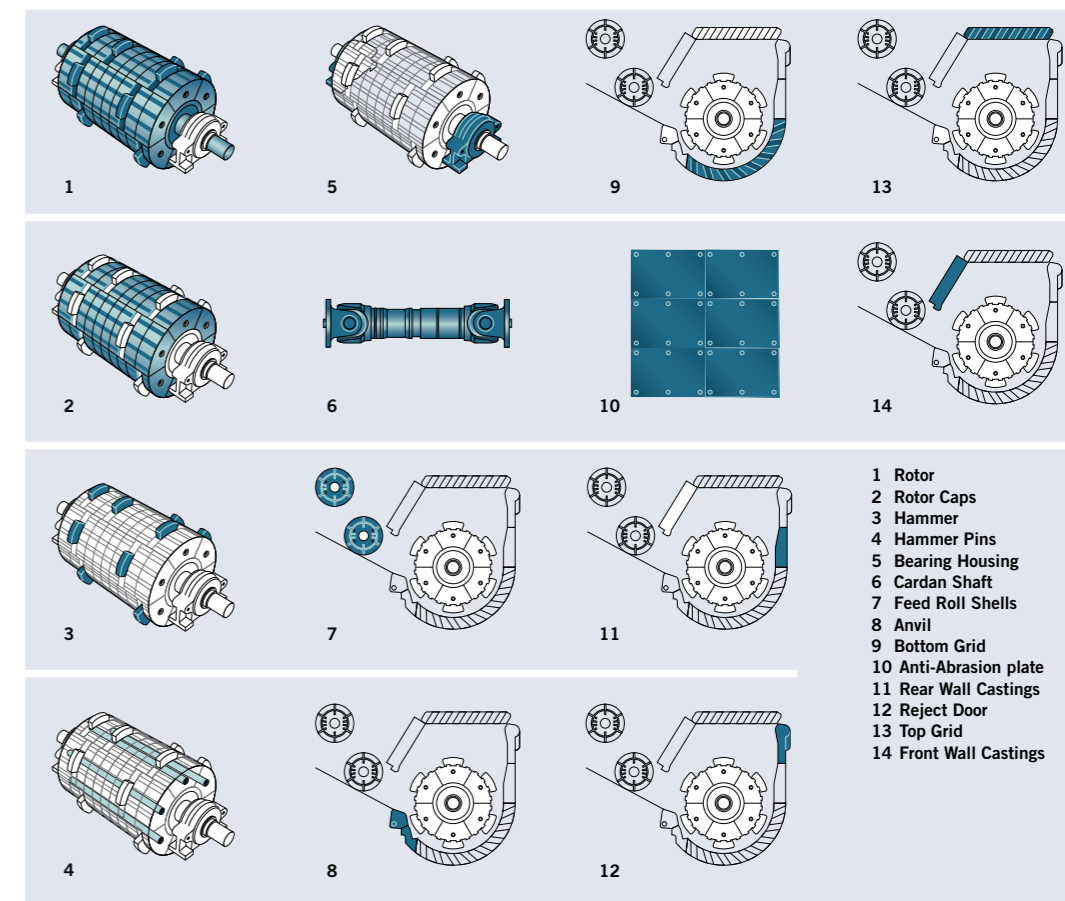


### Support and services

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.

### Modernisation & Refurbishment Services

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



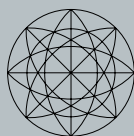
**Environmental  
Protection,  
Material Cleaning  
& Separation  
Equipment**

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.



## DANIELI HEADQUARTERS



Via Nazionale, 41  
33042 Buttrio (UD) Italy  
Tel (39) 0432.1958111  
Fax (39) 0432.1958289  
info@danieli.com  
www.danieli.com

## DANIELI LYNXS



722 Prince of Wales Road  
Sheffield S9 4EU  
Tel (44) 114.2800300  
Fax (44) 114.2800319  
lynxs@uk.danieli.com

DCR-03111-1-EN

## WORLDWIDE DANIELI COMPANIES

### GERMANY

Brunshofstrasse, 12  
D-45470 Mülheim - Ruhr  
Tel (49) 208.3780000  
Fax (49) 208.3780200  
info@germany.danieli.com

### FRANCE

Les Mercuriales  
F-93176 Bagnolet Cedex  
Tel (33) 1.49722269  
Fax (33) 1.49722538  
info@france.danieli.com

### USA

600 Cranberry Woods Drive  
Suite 200  
Cranberry Township, PA 16066  
Tel (1) 724.7785400  
Tel (1) 704.5228024  
Fax (1) 724.7785401  
info@usa.danieli.com

### CHINA

Jingyuan Street, 8  
BDA  
Beijing, 100176  
Tel (86) 10.58082828  
Fax (86) 10.58082929  
infodme@china.danieli.com

### UNITED KINGDOM

722 Prince of Wales Road  
Sheffield S9 4EU  
Tel (44) 114.2800300  
Fax (44) 114.2800319  
info@uk.danieli.com

### SPAIN

Poligono Sondikalde  
Calle Portu Bidea, 2  
48150 Sondika - Vizcaya  
Tel (34) 94.4872800  
Fax (34) 94.4872806  
info@spain.danieli.com

### USA

9800 Southern Pine Boulevard  
Suite L  
Charlotte, NC 28273-5522  
Tel (1) 704.5228024  
Fax (1) 704.5220264  
info@usa.danieli.com

### CHINA

No. 19, Xing Gang Road,  
CEDZ  
Changshu, Jiangsu 215513  
Tel (86) 512 52267088  
Fax: (86) 512 52267223  
infodcs@china.danieli.com

### SWEDEN

Nya Ägatan, 23  
S-77782 Smedjebacken  
Tel (46) 240.668500  
Fax (46) 240.668501  
info@sweden.danieli.com

### AUSTRIA

Max Planck Strasse, 5  
A - 9100 Völkermarkt  
Tel (43) 4232.51440.6101  
Fax (43) 4232.51440.6105  
info@austria.danieli.com

### INDIA

Technopolis Building  
Plot 4, Block - BP, 5th Floor  
Wing - B, Sector - V, Salt Lake  
700 091 Kolkata - West Bengal  
Tel (91) 33.39847777  
Fax (91) 33.39847501  
info@india.danieli.com

### THAILAND

Land Plot N. K11  
The Eastern Seaboard Ind. Estate  
Tambol Pluakdaeng, Amphur  
Pluakdaeng, 21140 Rayong  
Tel (66) 38 955888  
Fax (66) 38 959096  
infodfe@thailand.danieli.com

## WORLDWIDE OFFICES AND SERVICE CENTERS

### CANADA

4210 South Service Road  
Burlington  
Ontario L7L 4X5  
Tel (1) 905.3049337  
Fax (1) 905.3047975  
info@canada.danieli.com

### UAE

Prestige Car Bldg.  
Flat 1604 - Khalidiya  
P.O. Box 127231 Abu Dhabi  
Phone (971) 2.6812268  
Fax (971) 2.6813368  
info@uae.danieli.com

### RUSSIA

Leningradskaya str. 79  
Building 14  
455000 Magnitogorsk  
Tel (7) 351.9232831  
Fax (38) 351.9220317  
info@russia.danieli.com

### THAILAND

Muang Thai-Phatra Office  
16th Floor, Tower II  
252-91 Rachadaphisek Road  
Huaykwang - Bangkok 10310  
Tel (66) 2.6933520  
Fax (66) 2.6933529  
info@thailand.danieli.com

### BRAZIL

Av. Ibirapuera, 2332  
cj 121 - 12th floor  
CEP 04029 200 São Paulo  
Tel (55) 11.35085900  
Fax (55) 11.35085924  
info@brazil.danieli.com

### SAU

Silver Tower 6th floor  
P.O. Box 4867  
Al-Khobar 31952  
Tel (966) 3.8993145  
Fax (966) 3.8993198  
info@ksa.danieli.com

### UKRAINE

Most Citi Business Center  
Glinky Street, 2, 3rd Floor  
49000 Dnepropetrovsk  
Tel (380) 56.7904301  
Fax (380) 56.7904304  
info@ukraine.danieli.com

### KOREA

Room 201, Daechon Building  
157-4 Samsung-dong  
Gangnam-gu 135-090, Seoul  
Tel (82) 2.5626622  
Fax (82) 2.5623639  
info@korea.danieli.com

### MEXICO

Edificio Sierra Madre  
Ave. Vasconcelos Oriente 310  
Colonia del Valle  
66250 Garza Garcia, N.L.  
Tel (52) 81.83781055  
Fax (52) 81.83781058  
info@mexico.danieli.com

### RUSSIA

Kutuzovsky Prospekt 12  
Building 2, Floor 5  
121248 Moscow  
Tel (7) 495.6612636  
Fax (7) 495.6612637  
info@russia.danieli.com

### INDIA

271 Business Park, 5th floor  
Model Industrial Colony  
Off Aarey road  
Goregaon (E) Mumbai 400 063  
Tel (91) 22.39917100  
Fax (91) 22.39917191  
info@india.danieli.com

### JAPAN

42F, Yokohama Landmark Tower  
2-2-1, Minatomirai, Nishi-ku,  
Yokohama-City  
220-8142 Japan  
Tel (81) 45.651.7077  
Fax (81) 45.651.7033  
info@japan.danieli.com

### EGYPT

Mohamed Farid Street, 37  
11351 Heliopolis West - Cairo  
Tel (20) 2.26379229  
Fax (20) 2.26379525  
info@egypt.danieli.com

### RUSSIA

Prospect Pobedi,  
Building 288, Floor 10,  
454106 Chelyabinsk RF  
Tel (7) 351.2674632  
Fax (7) 351.2674631  
info@russia.danieli.com

### TAIWAN

26F-1, No. 31  
Hai-Bian Road  
Kaohsiung City, Taiwan 802  
Tel (886) 7.3358655  
Fax (886) 7.3358755  
info@taiwan.danieli.com

### SWITZERLAND

Olsbergerstrasse 2  
4310 Rheinfelden  
Tel (41) 61.8368310  
Fax (41) 61.8318314  
info@switzerland.danieli.com