

# N Series Inclined Shears (NIS)

Robust, Reliable, Efficient and Easy Installation



The ever-changing demands of the scrap processing industry requires a bigger choice of solutions capable of meeting specific capacity needs. Metso is proud to introduce the N Series range of metal recycling products. N Series offers reliable technology, efficiency and safety, yet all the features necessary to meet processing needs at competitive price levels. Regardless of the size of our customer's business, big or small, we strive to be at the forefront in providing the technology and services needed to ensure success. The N Series range is fully backed by Metso's worldwide service network. The initial service contact is locally available to customers so that they have efficient direct support when required.

The NIS - Inclined Shear is a state-of-the-art gravity feed shear that can accept long material and large bulky scrap; it is available with cutting forces from 600 to 1250 tons. This is a self-contained unit and is easy to install. NIS offers exceptional performance on heavy melt scrap, auto bodies, steel mill scrap, miscellaneous shapes, pipe, plate, shipbreaking, railcar, demolition scrap, aluminum, and stainless steel materials. The NIS Inclined Shear is also equally effective on large bulky scrap and especially long oversize scrap material.

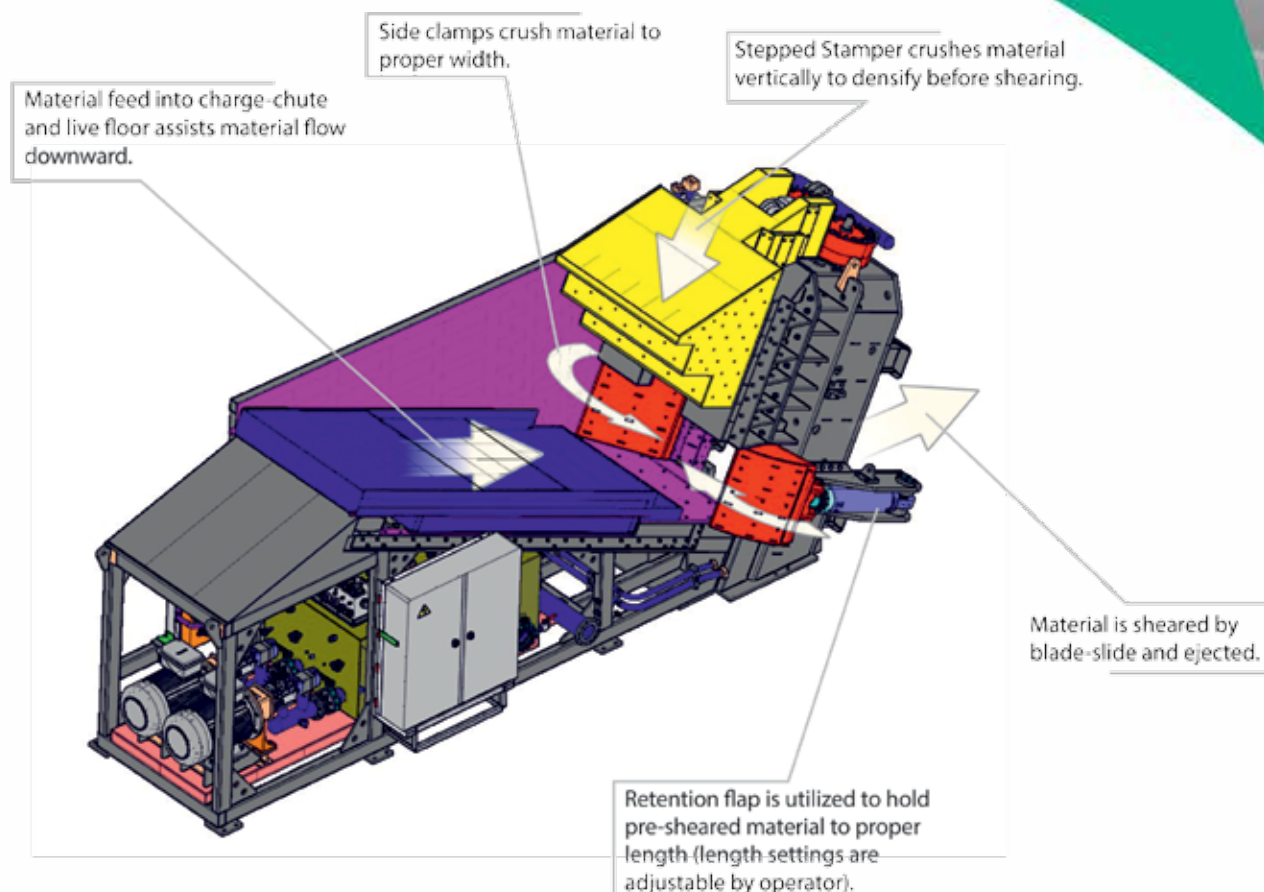
## Features

- Incline (gravity feed)
- Large volume charge-chute
- Unlimited feed material lengths
- Robust design
- Dual side clamps
- Stepped Stamper
- Self-contained shear with hydraulic power unit and electrical controls on common skid
- Variable shearing lengths
- Automatic operation
- Live charge-chute floor
- Remote control
- Replaceable liners
- High efficiency hydraulics
- Modem for diagnostics
- Sold, warranted and serviced by Metso

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## N Series Inclined Shear- Basic Technical Data

Model		NIS 612-9 BL60 1 x 130 kw	NIS 816-10 BL75 2 x 110 kw	NIS 816-10 BL75 3 x 90 kw	NIS 1016-10 BL75 2 x 130 kw	NIS 1016-10 BL75 3 x 110 kw	NIS 1023-11 BL100 4 x 90 kw	NIS 1216-10 BL75 3 x 130 kw	NIS 1223-11 BL100 4 x 90 kw
Shearing Force	tonne (TON)	615 (678)	800 (880)	800 (880)	1000 (1100)	1000 (1100)	1000 (1100)	1250 (1375)	1250 (1375)
Blade width	mm (in)	900 (35)	1020 (40)	1020 (40)	1020 (40)	1020 (40)	1115 (43)	1020 (40)	1115 (43)
Main HPU Drive	kW (HP)	130 (175)	2 X 110 (2 X 150)	3 X 90 (3 X 125)	2 x 130 (2 x 175)	3 x 110 (3 x 150)	4 x 90 (4 x 125)	3 x 130 (3 x 175)	4 x 90 (4 x 125)
Production Capacity	t/h (TPH)	Up to 15 (Up to 16)	Up to 30 (Up to 33)	Up to 40 (Up to 44)	Up to 38 (Up to 42)	Up to 40 (Up to 44)	Up to 45 (Up to 49)	Up to 38 (Up to 41)	Up to 50 (Up to 55)

- ★ Specifications subject to change.
- ★ Production rates may vary subject to material, feed rate and overall facility efficiency