



APRON FEEDER

Experience the perfect blend of efficiency and performance
with BEDESCHI Apron Feeders: where flexibility meets functionality!



THE COMPANY

Founded in 1908, BEDESCHI has an outstanding experience in handling different types of materials, starting from the very beginning, when the first extruder was awarded, in 1909, the Certificate of Honor and First-Degree Gold Medal for processing sticky material like clay.

The BEDESCHI Apron Feeder is a high-performance solution for unloading trucks, dumpers and front loaders. Our solutions consist of models specifically designed to process plastic, wet, and sticky materials, or alternatively, to handle hard rocks and minerals with flexible performances up to 2,000 t/h.

**SINCE 1908,
TAKING THE BEST
FROM THE PAST
TO BUILD A BETTER
FUTURE**

Maximum flexibility in the choice of the technological solution



If you unload bulk materials, via a dumper, a truck or a front loader, and perform downstream processing via crushing machine, our BEDESCHI Apron Feeders are the best solution for you! We offer a variety of interesting features and utmost flexibility to suit all applications and meet site requirements.

OUR SOLUTIONS

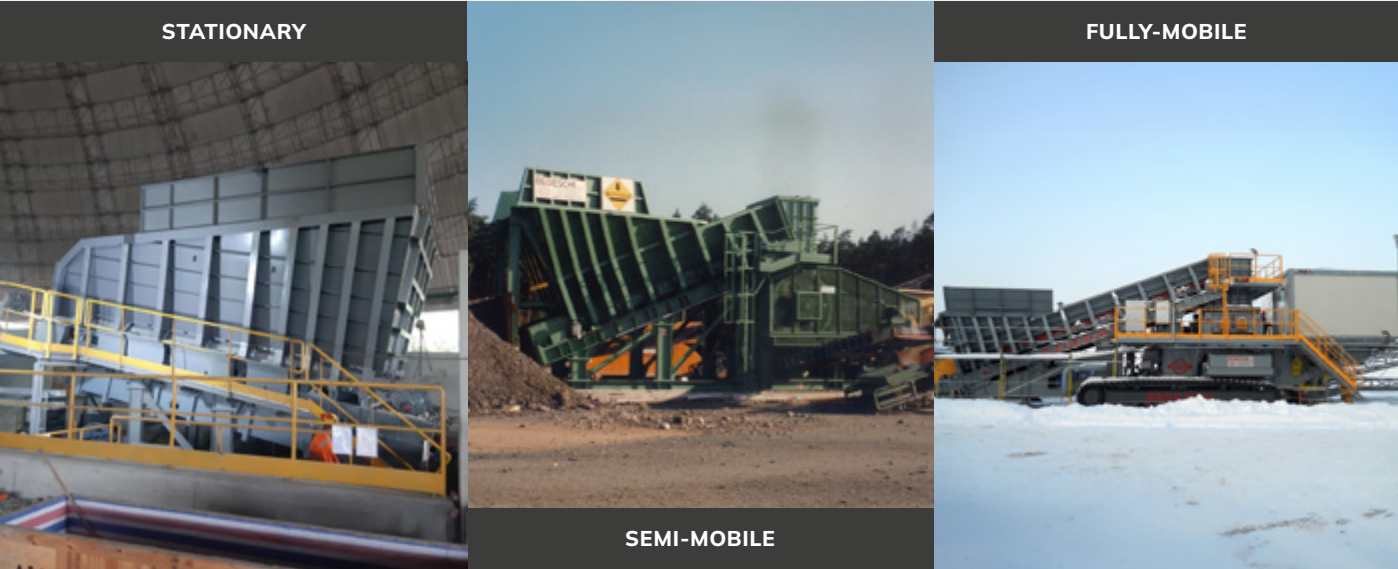


Bedeschi apron feeders can be designed for both horizontal and inclined installations. Depending on the type of commodity being processed - whether it is dry or wet, hard or plastic, sticky, large, or small - we can recommend the most suitable type of apron by choosing from the various solutions we offer including:

- Roller Chain
- Track Chain
- Rubber Belt



All Bedeschi feeders can be installed in one of the following modes:



INDUSTRIES

- Cement
- Chemicals
- Food
- Paper
- Ports
- Power plants
- Recycling
- Steel
- Storage facilities
- Train facilities
- Quarry & Mines

COMMODITIES

- Any kind of dry & dusty materials
- Any kind of wet & sticky materials
- Cement
- Clinker, limestone
- Coal (Atex regulation)
- Fertilizer
- Gypsum
- Iron pellet
- Wooden chips
- Grain

KEY BENEFITS



Mastering commodities

Installation of apron feeders with rounded pans and roller chains designed for processing wet, plastic, and sticky materials, or flat pans and track chains specifically intended for handling hard, dry materials with large pieces and high throughput (t/h)



Maximize quality standards

Superior European Quality
High-quality manufacturing entirely carried out at our plant in Italy, specialized in materials handling



Functionality meets flexibility

A wide range of applications:
Stationary, semi mobile & mobile solutions
Easy access for maintenance and cleaning
Ensures continuous feeding to any equipment e.g. crushers, belt conveyors, vibrating feeders, shiploaders, etc.
No clogging risk



Optimize your material flow

Maximum flexibility in selecting the appropriate machine



Environmentally friendly

Reduced dust emissions



CATEGORIZATION

Family	Item	Description
Apron Feeders	CNA	Inclined Bedeschi roller chain Inclined track chain
Apron Feeders	CNS	Horizontal Box feeder - Bedeschi roller chain with integrated hopper (box) Horizontal track chain with integrated hopper (box)
Apron Feeders	RNS	Horizontal Bedeschi roller chain without integrated hopper Horizontal track chain without integrated hopper
Rubber Belt Feeders	CNG	Light-Duty Box feeder with flat rubber belt
Rubber Belt Feeders	BF	Medium-Duty flat rubber belt

Available executions

- 1 Bedeschi roller chain with curved pans
- 2 Track chain with flat pans
- 3 Rubber belt

Possible accessories

- 1 Weighing bridge
- 2 Chain scraping conveyor
- 3 Bar gate
- 4 Paddle disintegrator (only for CNS)

Apron feeder possible dimensions



Shaft to shaft length:

from 2 up to 20 m



Apron width (mm):

1000 - 1200 - 1500 - 1800 - 2000 - 2200 - 2500 - 2800 - 3000



CNA Apron Feeder



CNS Apron Feeder



BF Belt Feeder



RNS Apron Feeder with track chain



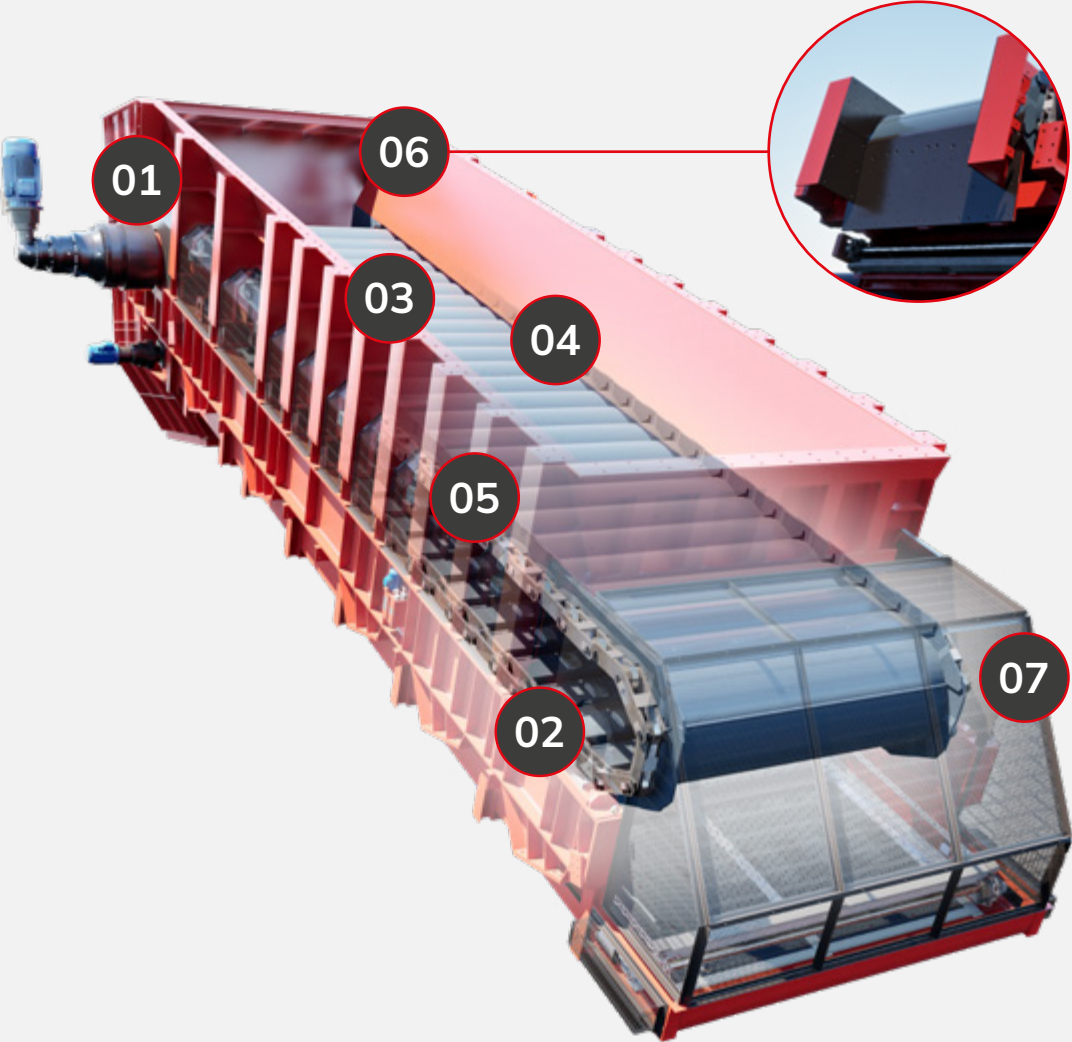
CNA Apron Feeder with track chain



CNG Box Rubber Feeder

DETAIL DESIGN

Explore our tailored Apron Feeder Features for Sticky Materials
CNA – CNS SERIES WITH ROLLER CHAIN



- 01

FRAME
Strong steel design
- 02

CHAIN TYPE
Bedeschi roller chain

CHAIN SPEED
Slow (0.1 m/s) for sticky materials
- 03

CASING
Closed casing
- 04

APRON THICKNESS
8 to 24 mm

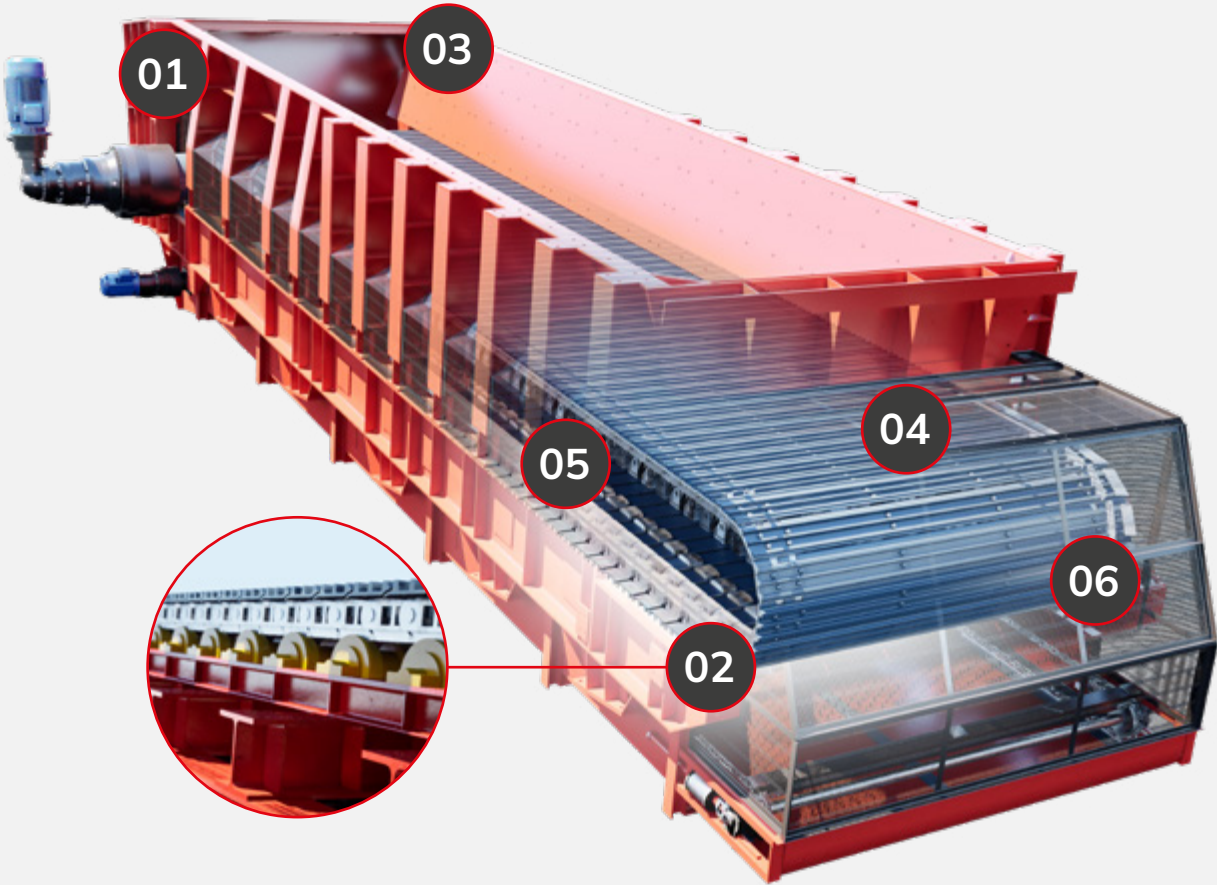
APRON LINK
Hinged between pans
- 05

SLIDING GUIDES
2 lateral / up to 5 below Apron
- 06

CLEANING DEVICE
Frontal scraper
- 07

PANS BENDING RADIUS
Same as drive sprocket radius

Explore our tailored Apron Feeder Features for Dry Materials
CNA – CNS SERIES WITH TRACK CHAIN



- 01

FRAME
Strong steel design
- 02

CHAIN TYPE
Track chain

CHAIN SPEED
Up tp 0.4 m/s for dry materials
- 03

CASING
Closed casing
- 04

APRON THICKNESS
Over 20 mm

APRON LINK
Overlapping
- 05

SLIDING GUIDES
2 lateral / up to 5 below Apron
- 06

PANS
Flat, in cast steel

Custom-made Buffer and Receiving Hopper for various applications, including moist & sticky Materials

HOPPER MAIN FEATURES

- +

Volume on request
- +

Material Characteristics especially moisture & stickiness
- +

Slope of the side wall of the hopper from 60° up to negative angle
- +

Minimize sharp corners to avoid build-up & clogging
- +

Stainless Steel protection plates or Ultra High Molecular Weight Plastic
- +

Hopper to be fed by trucks or dumpers. Unloading of the material by rear or by side or both



Emission control

DETAIL DESIGN



- +

Our feeders can be designed as enclosed systems with a dedusting filter
- >

Fixed enclosures with cladding, steel frame + ducted dust extraction + flexible entry curtain
- >

Flexible PVC sheet for partially enclosed solutions
- >

An automatic sectional gate can be installed for truck entry

Drive control

DETAIL DESIGN

- +

Drive control (cabinets, converters, hydraulic power pack, etc.)
- >

Feeder speed adapts to material bed depth to ensure continuous and equal feed to the downstream-equipment
- >

Enhanced truck logistics with sensors and traffic light system to prevent overloading of the discharge chute
- >

Radio control for mobile configuration
- >

Anti-clogging sensor in the discharge chute
- >

Slip-control by idle shaft monitoring

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