SUGAR INDUSTRY

MADE IN ITALY
Applications through all the process from cane fields to sugar bagging, worldwide training, commissioning and after sales services. With over 600 Mill & PF installations worldwide and a multitude of installed drives all over the sugar process, Reggiana Riduttori is one of the world’s leading companies in the design and manufacture of gearboxes for a wide variety of power transmission applications for the Sugar industry. Reggiana Riduttori has proven the highest standards in engineering, innovation, quality and state of the art manufacturing with years of service to the sugar industry with great results.

Our Drives

For the Sugar Industry

Con oltre 600 installazioni e una moltitudine di impianti serviti in tutto il mondo, Reggiana Riduttori è leader nella progettazione e produzione di riduttori per tutte le applicazioni nell’industria della produzione dello zucchero. Reggiana Riduttori ha dato prova di aderire ai più alti standard nella progettazione, innovazione e qualità, attestati da anni di esperienza al servizio degli zuccherifici.

Complete Drive Systems, Turn Key Solution Provider

Worldwide Training, Commissioning and After Sales Services

Applications through all the Process from Cane Fields to Sugar Bagging

Dedicated Sugar Technology Team & Application Engineers
### OUR RANGE
FOR THE SUGAR PROCESSING

<table>
<thead>
<tr>
<th>Model</th>
<th>T2 max [Nm]</th>
<th>P BEF [Kw]</th>
</tr>
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<tbody>
<tr>
<td>RR10000</td>
<td>140,000</td>
<td>90</td>
</tr>
<tr>
<td>RR15000</td>
<td>200,000</td>
<td>130</td>
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<tr>
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</table>

- **RR/RA**
  - \[T_{2\text{max}} Nm = 1,200-10,000,000\]
  - **Ratio** = 3.4-5061
  - Modular planetary reduction gears.

- **P/RH/RV & Combined**
  - \[T_{2\text{max}} Nm = 2.500-4.300,000\]
  - **Ratio** = 1.12-5061
  - Helical and bevel helical line, combined units.

### DEDICATED SOLUTIONS
FOR THE SUGAR PROCESSING

#### CANE PREPARATION
- **Cane Carrier**
- **Diffuser**

#### JUICE EXTRACTION
- **Claryfier/Thickener**
- **Mills**

#### CRystallization
- **Horizontal Crystalizers**
- **Vertical Crystalizers**

#### CLARIFICATION
- **Foot Mounted Drives**
  - **Modular**
    - Design for easy assembly and reduced inventory.
  - **Efficient**
    - Higher weight to torque ratio makes highest efficiency.
  - **Easy Fitting**
    - Faster mounting and installation.
  - **Durable**
    - Longer service life and durability.

- **Shaft Mounted Drives**
  - **Less Components**
    - Elimination of tail bar or rope coupling hence free floating top roller.
  - **Smart Assembly**
    - No misalignment.
  - **Flexibility**
    - Variable rollers speed.
  - **Extended Life of Components**
    - Reduced stress on headstock and bearings.
MILLS - SHAFT MOUNTED DRIVES SYSTEM

- LESS CIVIL WORKS
  Smaller footprint for milling tandem.

- SUSTAINABLE
  Lowest power consumption rate per ton of fiber for milling.

- REDUCTION OF STRESSES
  - 35% of mill headstock stress.
  - 50% of mill rollers stress.

- REVERSIBLE MOVEMENT
  Great advantage during mill chocking.

- VARIABLE MILL ROLLE SPEED
  Hence better extraction, better torque control, flexibility on mill setting and crushing rate.

MILLS - FOOT MOUNTED DRIVES SYSTEM

- DYNAMIC
  Efficient design to absorb torque variation in milling process.

- IDEAL FOR PLANT REVAMPING AND UPGRADING
  Compact footprint allows easy retrofit on existing installations without major foundation work.

- COMPLETE DRIVE RANGE
  From 30Kw to 2000Kw.

SHAFT MOUNTED
40% COST SAVING FOR THE ENTIRE MILL FOUNDATION

TAYLOR FIT FOR YOUR NEED
MILL SIZE COVERED FROM 100TCD UP TO 30,000TCD

RR/RA series
APPLICATIONS

FOR SUGAR PROCESSING

DIFFUSER

RR/RA series
foot / shaft mounted

CRYSTALLIZER

RR/RA series
foot / shaft mounted

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