



# SUGAR INDUSTRY

 MADE IN ITALY

 **REGGIANA  
RIDUTTORI**  
PLANETARY REDUCTION **GEARS**





OUR DRIVES

## FOR THE SUGAR INDUSTRY

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.

*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**

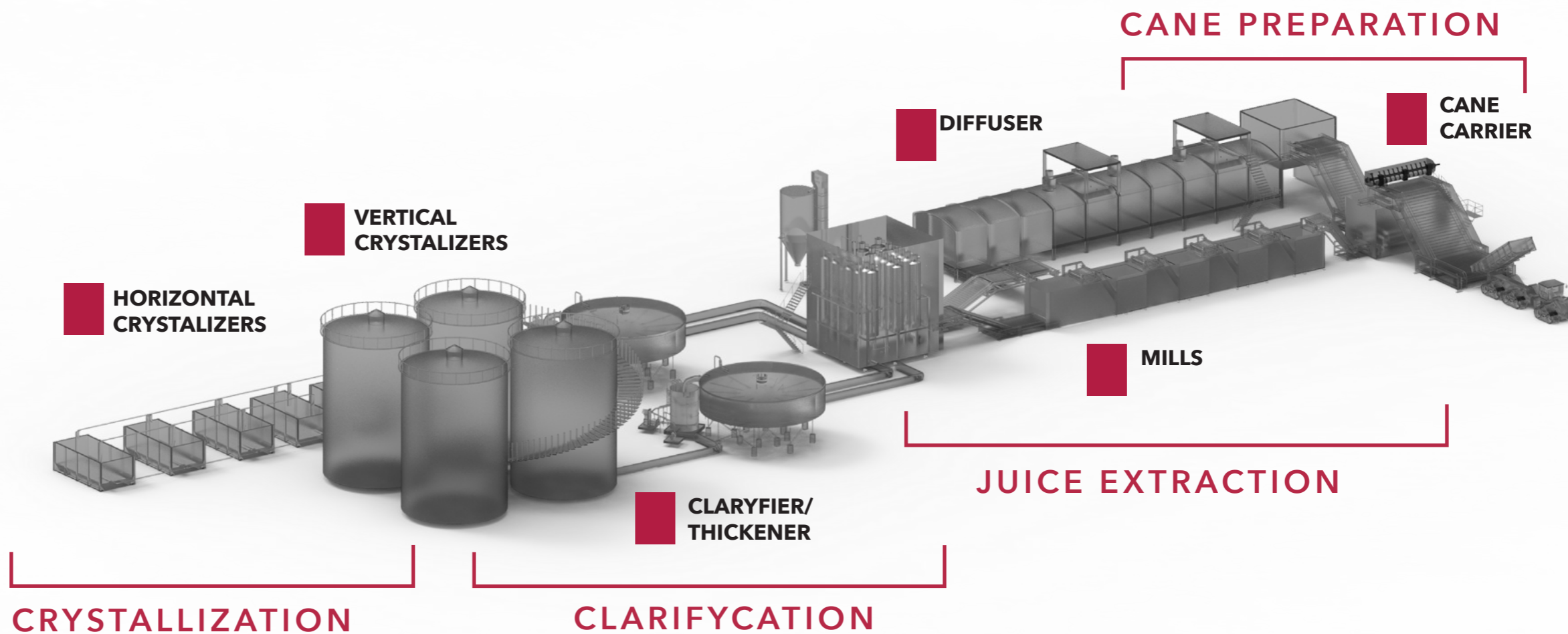
**DEDICATED SUGAR TECHNOLOGY TEAM & APPLICATION ENGINEERS**



**OUR RANGE**  
FOR THE SUGAR PROCESSING

model	T <sub>2 REF</sub> [ Nm ]	P REF [ Kw ]
RR10000	140.000	90
RR15000	200.000	130
RR20000	300.000	190
RR25000	410.000	260
RR40000	575.000	360
RR55000	750.000	470
RR70000	850.000	530
RR85000	950.000	600
RR110000	1.350.000	850
RR150000	1.800.000	1.130
RR190000	2.500.000	1.570
RR240000	3.500.000	2.200
RR300000	4.570.000	2.870
RR400000	6.230.000	3.910
RR500000	7.580.000	4.760

**DEDICATED SOLUTIONS**  
FOR THE SUGAR PROCESSING



**RR/RA**

T<sub>2max</sub> Nm=1,200-10,000,000  
Ratio=3.4-5061  
Modular planetary reduction gears.



**FOOT MOUNTED DRIVES**

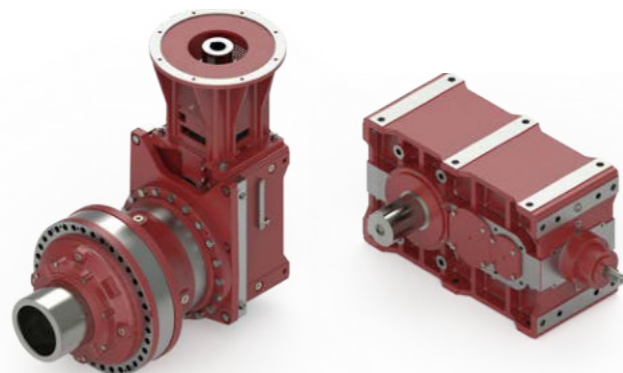
**MODULAR**  
Design for easy assembly and reduced inventory.  
**EASY FITTING**  
Faster mounting and installation.

**EFFICIENT**  
Higher weight to torque ratio makes highest efficiency.  
**DURABLE**  
Longer service life and durability.



**P/RH/RV & Combined**

T<sub>2max</sub> Nm=2.500-4.300.000  
Ratio=1,12-5061  
Helical and bevel helical line, combined units.

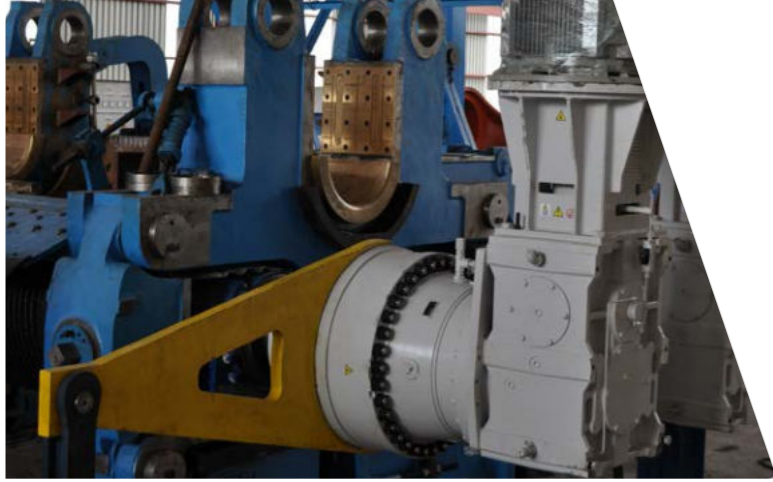


**SHAFT MOUNTED DRIVES**

**LESS COMPONENTS**  
Elimination of tail bar or rope coupling hence free floating top roller.  
**FLEXIBILITY**  
Variable rollers speed.

**SMART ASSEMBLY**  
**NO MISALIGNMENT**  
**EXTENDED LIFE OF COMPONENTS**  
Reduced stress on headstock and bearings.





## TRANSMISSION SYSTEMS FOR MILLING

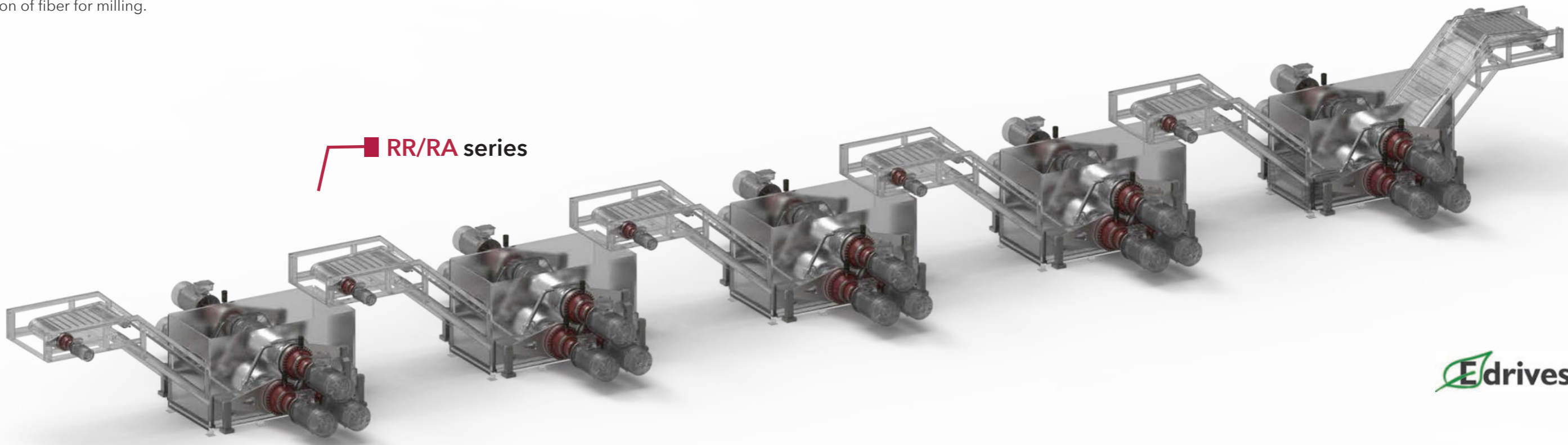


### MILLS - SHAFT MOUNTED DRIVES SYSTEM

- **LESS CIVIL WORKS**  
Smaller footprint for milling tandem.
- **REDUCTION OF STRESSES**  
- 35% of mill headstock stress.  
- 50% of mill rollers stress.
- **VARIABLE MILL ROLLE SPEED**  
Hence better extraction, better torque control, flexibility on mill setting and crushing rate.
- **SUSTAINABLE**  
Lowest power consumption rate per ton of fiber for milling.
- **REVERSIBLE MOVEMENT**  
great advantage during mill chocking.

### 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.



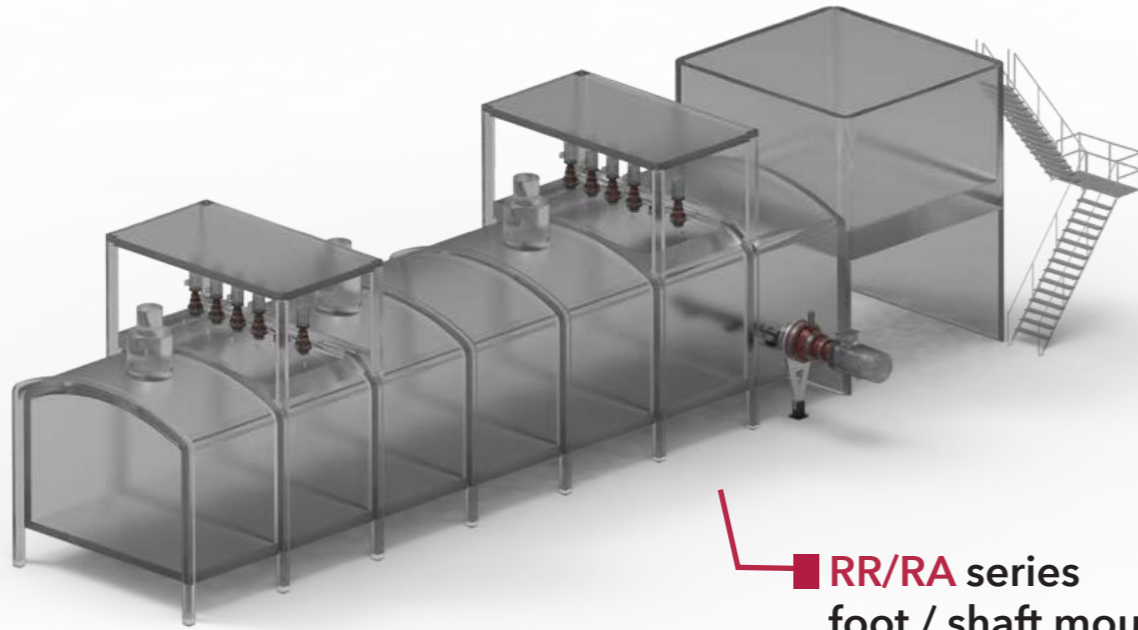
**SHAFT MOUNTED  
40% COST SAVING**  
FOR THE ENTIRE MILL FOUNDATION

**TAYLOR FIT FOR YOUR NEED**  
MILL SIZE COVERED FROM 100TCD UP TO 30.000TCD



**APPLICATIONS**  
**FOR SUGAR PROCESSING**

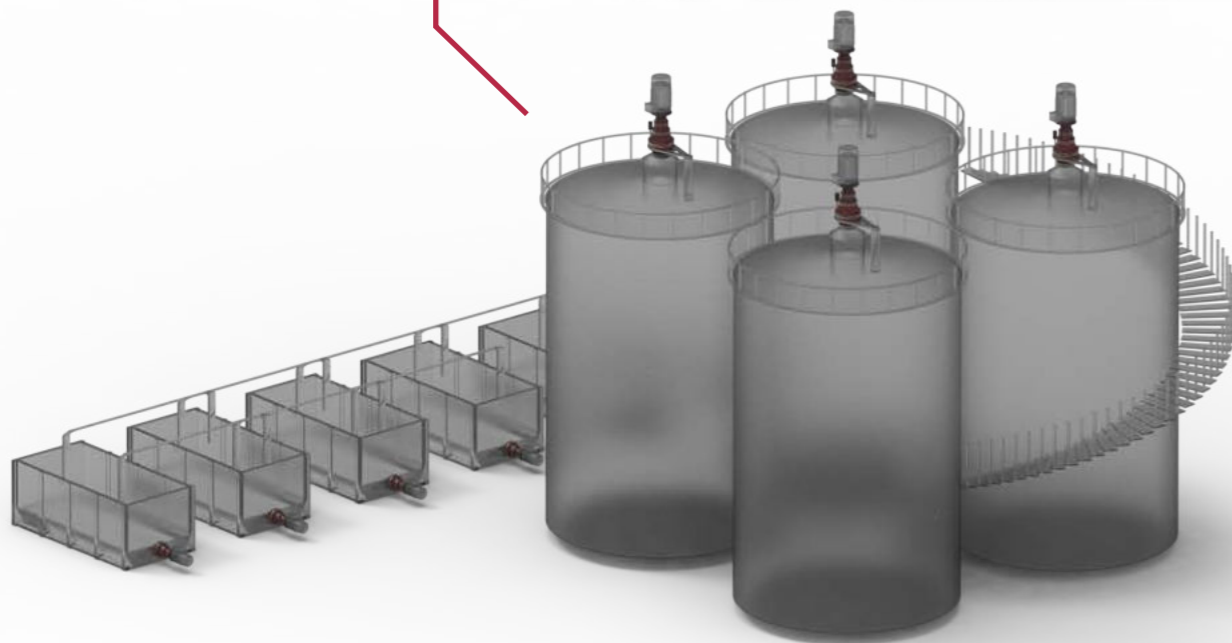
**DIFFUSER**



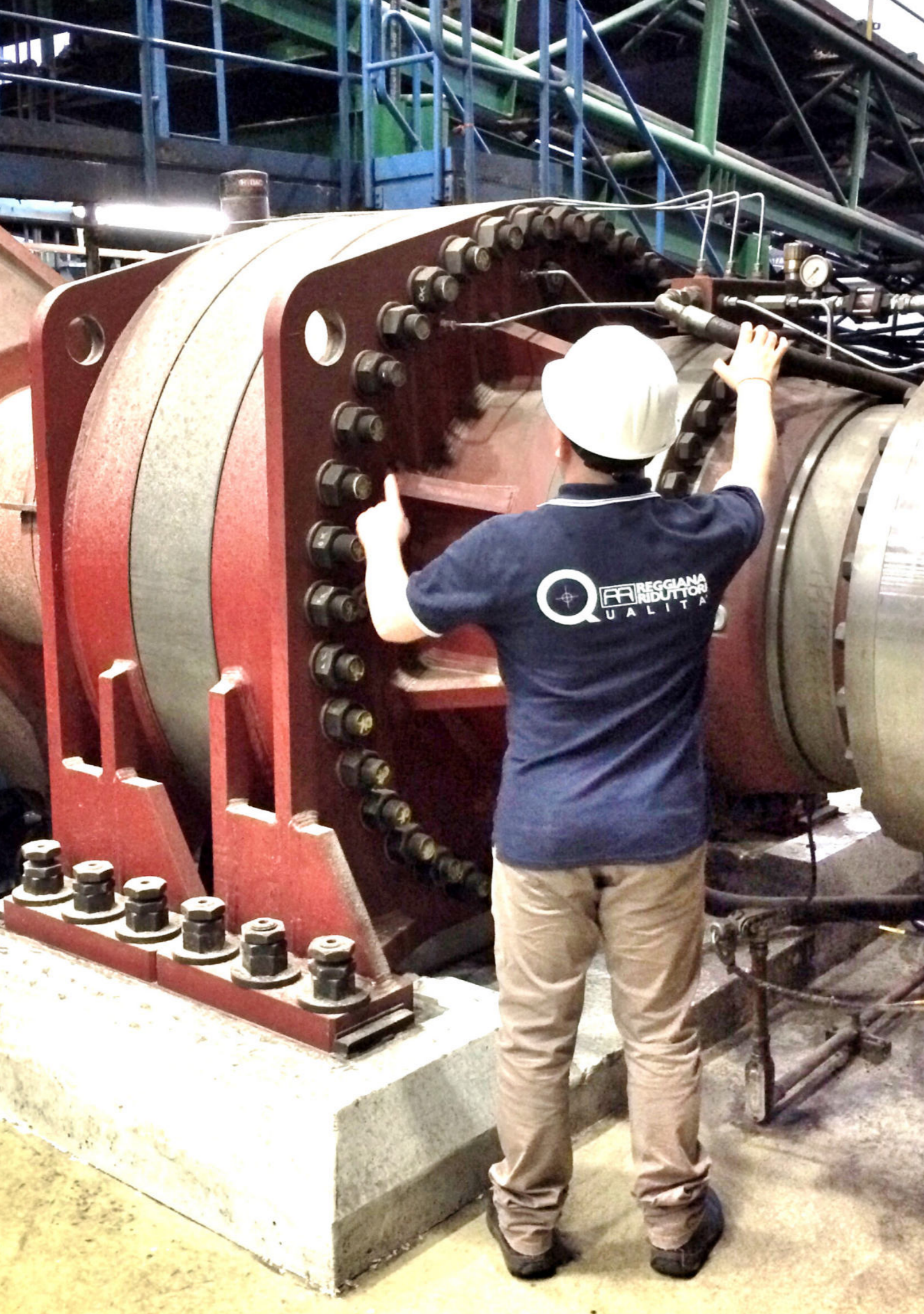
■ **RR/RA series**  
foot / shaft mounted

**CRYSTALLIZER**

■ **RR/RA series**  
foot / shaft mounted



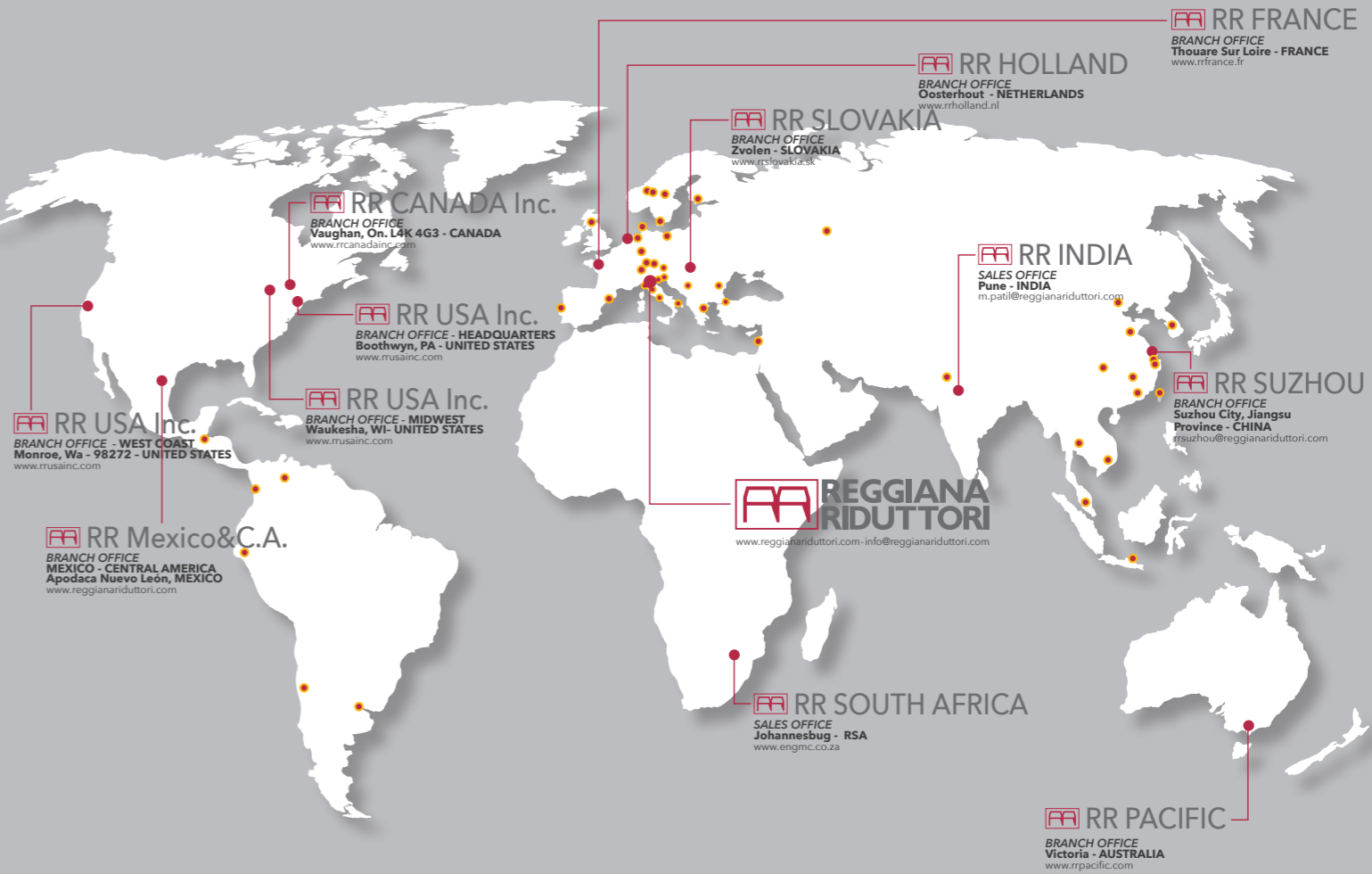




**GLOBAL**

**SALES NETWORK**

- MASTER DISTRIBUTOR
- BRANCH





[www.reggianariduttori.com](http://www.reggianariduttori.com)

**REGGIANA RIDUTTORI S.r.l.**

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A member of



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