





MORANDO-RIETER

2017 Clay Brick Association AGM

Clay Preparation Shaping CREATING SOLUTIONS

We prepare and shape your future.

KELLER A DIVISION OF **GRUPE LEGRIS INDUSTRIES**

Founded in 1986, Groupe Legris Industries is a diversified industrial group, with family owners holding the bulk of its shares.

Groupe Legris Industries provides active support for its operational Divisions, aiming to create value for the long term. Value creation is underpinned by a shared commitment to robust human values and concern for our total business environment.

The Group organizes and promote cross-functional and cross-business initiatives calling on the participation of different Divisions to enhance the performance of each.

€255 M
2015 SALES
up 25%

€106 M*
ORDERBOOK
up 12%
* excl. Retrotech, sold on March 2016

SALES BY GEOGRAPHICAL AREA

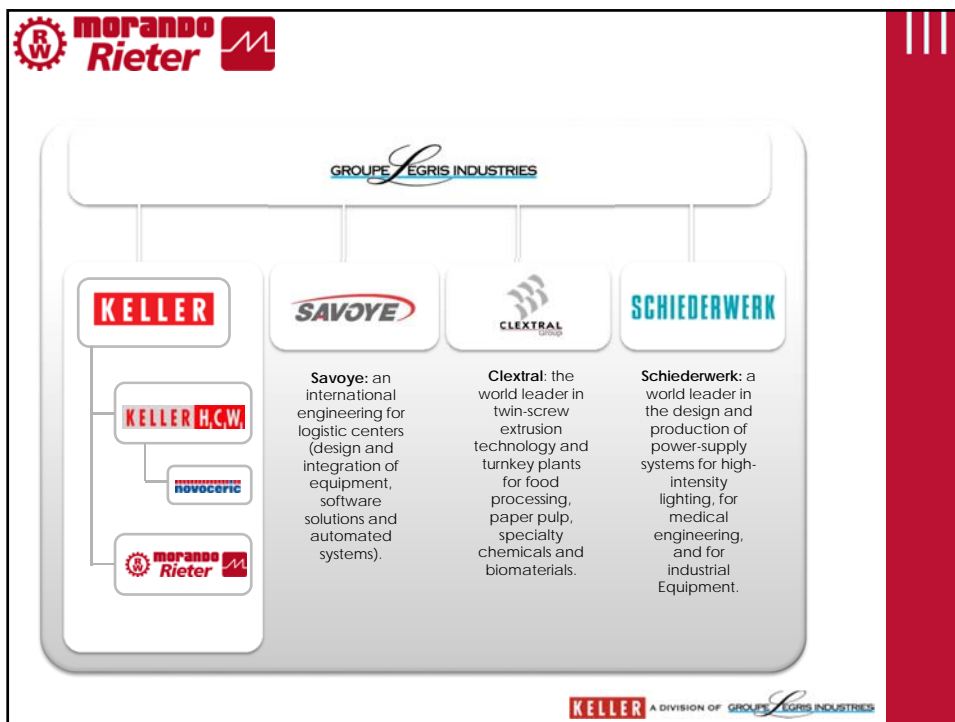
10% EUROPE (incl. Switzerland)	15% NORTH AFRICA & MIDDLE EAST
39% EUROZONE	30% AMERICA
	6% REST OF THE WORLD (incl. CIS, P&I)

2.7% OF SALES invested in R&D	-8% ENERGY CONSUMED (natural gas, electricity, fuel oil)	1,860 DAYS OF TRAINING provided in 2015
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INTERNATIONAL REACH

15 INDUSTRIAL SITES 12 in Europe 2 in the US 1 in North Africa	27 SALES UNITS in 15 countries	1,357 EMPLOYEES on 5 continents
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KELLER A DIVISION OF **GRUPE LEGRIS INDUSTRIES**



morando Rieter

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KELLER A DIVISION OF GROUPE LEGRIS INDUSTRIES



support to the customer








Medium-Long term strategy


continuous improvement

commercial organization


Service and aftersales

Research and Development








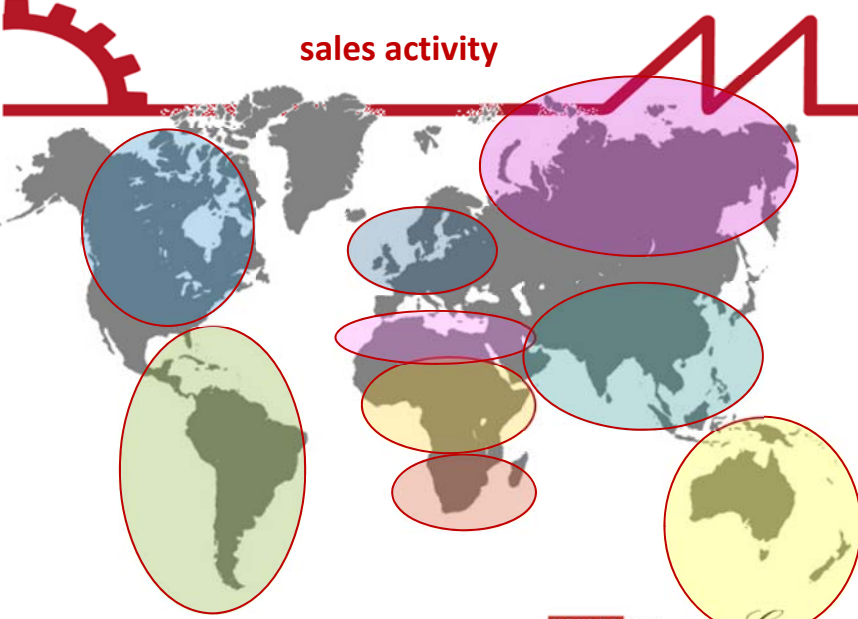
our numbers



- + 100 years of experience
- +7.000 machines installed
- +2.000 customers around the world
- +200 different types of machines



sales activity





Our Services, Assistance, Spare Parts

Our Customer must be satisfied when he buys our machinery, when he puts them in operation, when he uses them, when he needs maintenance... For us, a customer is a Customer... always.



Driving the Customer to obtain and keep the maximum performances is our main target.


- 24h Service
- Training
- Regeneration Service
- Spare Parts
- Refurbished machines
- Service Checks
- Assembling & commissioning

Original spare parts.

Morando-Rieter supplies original spare parts which allow to maintain the characteristics of your installation/machine unchanged in time, increasing their safety and reducing down times. Efficiency and reliability of our spare parts are guaranteed by rigid and on-going quality checks.




KELLER A DIVISION OF **GROUPES LEGRIS INDUSTRIES**




Our Machines

"Robustness, reliability, innovation, easy maintenance: these are the major strengths of our machines. They have always been like this and they will be the same in the future."

Over 6.000 of Morando and Rieter machines installed since 1970 to today all over the world, over 1.500 customers, 240 different models.



THE MORANDO-RIETER MACHINES are designed, manufactured and assembled in our modern factory in Asti, using first-quality components and the support of world-wide recognized partners. Morando and Rieter bring in their best expertise and respond to the Customer's needs with the combination of German Engineering and Italian Production Know How.



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The new machines-range
Creating Solutions



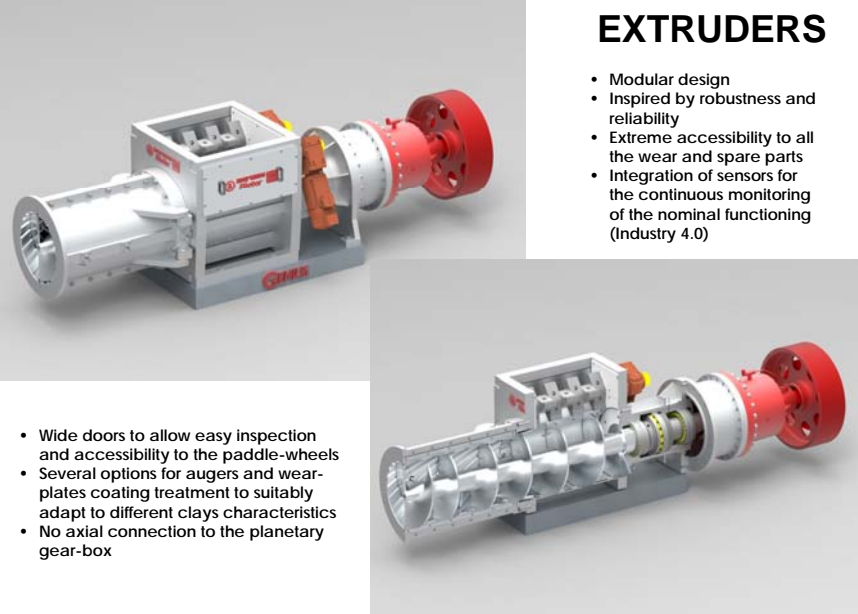
GENIUS
ROLLER MILL

KELLER A DIVISION OF **GROUPS LEONIS INDUSTRIES**



GENIUS
EXTRUDERS

- Modular design
- Inspired by robustness and reliability
- Extreme accessibility to all the wear and spare parts
- Integration of sensors for the continuous monitoring of the nominal functioning (Industry 4.0)



- Wide doors to allow easy inspection and accessibility to the paddle-wheels
- Several options for augers and wear-plates coating treatment to suitably adapt to different clays characteristics
- No axial connection to the planetary gear-box

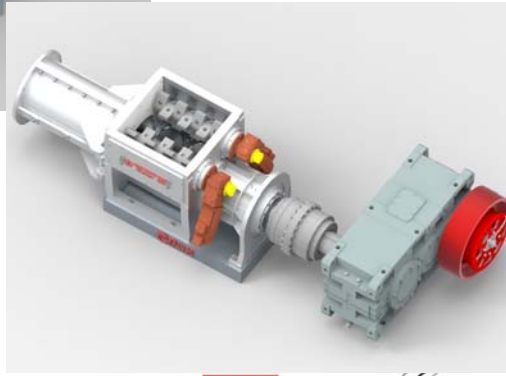
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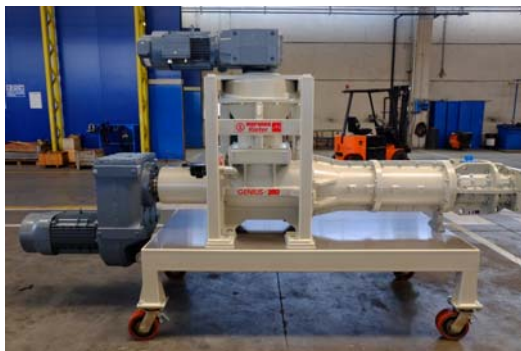
GENIUS EXTRUDERS

- Design-conceived for the optional installation of separate parallel-axis gear-boxes.
- Higher torques transmittable
- **Ideal for stiff and semi-stiff extrusion**
- Dedicated customization of wear plates & augers-set

- Separate oversized transmission
 - Higher safety-factors
- Possibility to reach peak-shaping pressures
- Auger-shaft bearings installed by positive fit-locking/rigid connection integrated in the housing
- Vacuum seal through combination of labyrinth and mechanical sealings



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GENIUS-250 First reference

- 250 mm size augers set
- Built on the experience gained by fiber-reinforced materials extrusion
- Long auger set to provide material compaction and column stability
- Pressure-head fully internally covered by plastic anti-sticking linings (to minimize resistances)



KELLER A DIVISION OF GROUPE LOUIS INDUSTRIES



GENIUS Vertical Extruders for stoneware socket pipes and insulator



KELLER A DIVISION OF **GROUPES LORIS INDUSTRIES**



GENIUS Vertical Extruders for stoneware socket pipes and insulator



The augers of all extruder-types in the preliminary extruder-cylinder, as well as in the post-extruding cylinder, are made of welded steel and recharged with special anti-wear coating. The straight post-extruding cylinder is furnished with changeable steel coating sheets and able to be opened to the top for the models "VR" and "VRS". The post-extruding cylinder of the "VRSBU" model can be laterally opened by the use of rollers for the easy accessibility to the wearing parts.



The vertical extruders, in cooperation with the fully automatic collecting table, permit a maximum of economical production utilization, with a minimum of employment of labors.

LINDUSTRIES

morando Rieter
Creating Solutions

Andrea Pasquali
Managing Director
andrea.pasquali@morando-rieter.com
Mobile +39 346 8444616

Morando s.r.l.
Strada Rilate, 22
14100 Asti - Italy
Phone +39 0141 417342

www.morando-rieter.com

KELLER A DIVISION OF **GROUPS LEGROS INDUSTRIES**

morando Rieter
Creating Solutions

Andrea Saglietti
Sales Area Manager
andrea.saglietti@morando-rieter.com
Mobile +39 335 7359482

Morando s.r.l.
Strada Rilate, 22
14100 Asti - Italy
Phone +39 0141 417377

www.morando-rieter.com

KELLER A DIVISION OF **GROUPS LEGROS INDUSTRIES**

morando Rieter
KELLER H.C.W.

GENERAL LAB O.C.
Materials Testing Laboratory

KELLER A DIVISION OF **GROUPS LEGROS INDUSTRIES**