

High-pressure radial fans

By using high-pressure radial fans instead of roots blowers, you can achieve a remarkable increase in energy efficiency.



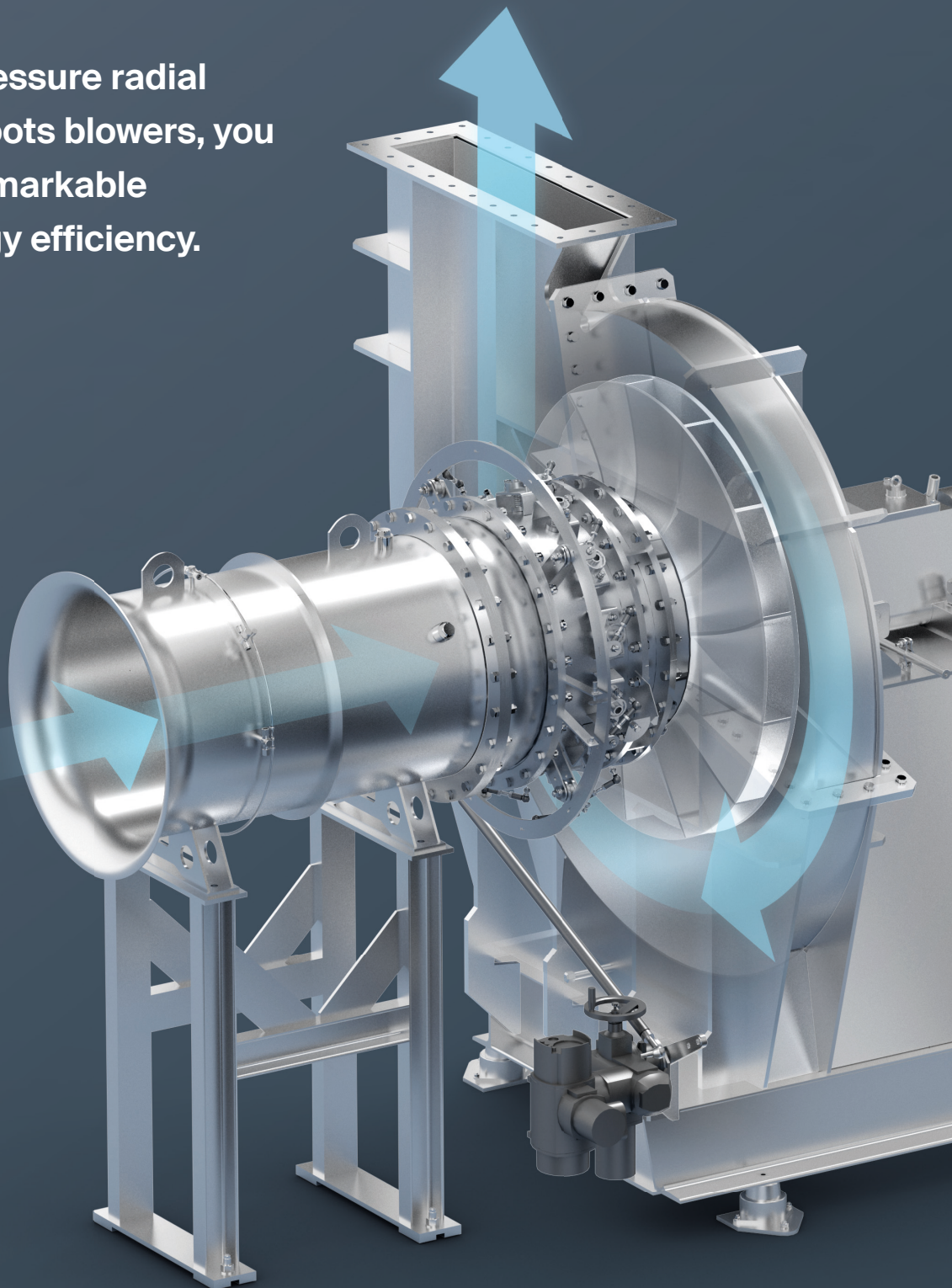
Higher efficiency
20 % higher efficiency for combustion and cooling air supply



Less equipment
Substitute multiple conventional blowers with a single machine



Less maintenance
Fewer rotating parts to maintain, no belts and gears



Innovative Lime Kiln Technology

By integrating high-pressure fans into our process technology, we can achieve enhanced operational efficiency.



Save up to 20 % electric power on your PFR kiln

High-pressure fans can deliver the required air volumes and pressures for combustion and cooling air with an efficiency of up to 86 %. Various customer applications have confirmed this.

- » **Higher efficiency, resulting in up to 20 % less electrical energy consumption** for the process air supply
- » **Replacement** of multiple roots blowers by one single machine
- » **Lower maintenance costs** due to the simple design
- » **Accurate air volume measuring** by an intake nozzle

**Want to save electric energy?
Or planning on replacing your old blowers?**

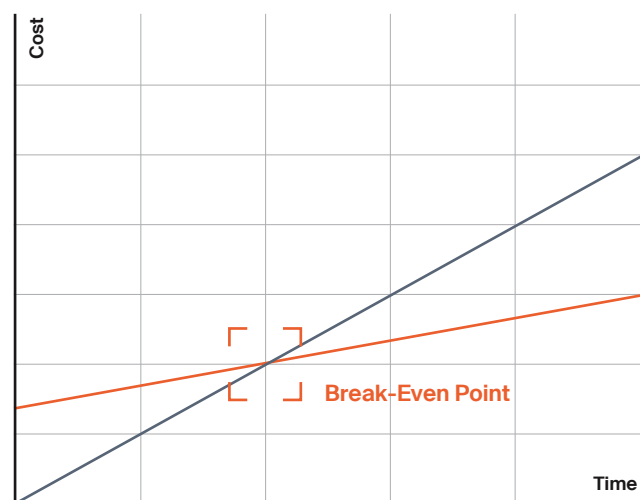
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Comparison between roots blowers and high-pressure fans, for an existing kiln



— High-pressure fan (new fans) — Roots (existing)

The visualised case above displays a case in which the high pressure fans are retrofitted to a kiln previously equipped with roots blowers.

Typically a return on invest is reached after three to four years. Maerz will gladly carry out a detailed profitability study for your specific case.

For more information
please visit maerz.com

