

PFISTER® FEEDFLEX

How your dosing solution can help you on your way to Net Zero

The road to Net Zero is long, but the cement industry is already making headway.

Fuel switching and energy-saving measures have enabled cement plants to bring down carbon emissions. And though it is tempting to think that the biggest changes are brought about in the largest equipment, the smaller machinery also has a part to play.

KEY BENEFITS

- Reduce solid fossil fuel consumption
- Increase alternative fuels utilization
- Reduce your CO2 footprint
- Maintain maximum feeding capacity at kiln start-up process
- Retrofit at existing feeders will help to cut fuel cost with quick ROI

PFISTER® FEEDFLEX IS OUR CONTRIBUTION TO A MORE SUSTAINABLE FUTURE

Take, for example, the PFISTER® DRW Rotor Weighfeeder. This robust feeder has been serving the cement industry for decades, providing efficient, reliable, and precise dosing of pulverised fuels such as hard-coal, lignite, or petcoke.

As the use of alternative fuels (AF) increases, fuel feeding systems that offer more highly variable feed rates are needed. But as AF use increases, there is a need for ever smaller feed rates in primary fuel feeders, which has been an obstacle for cement producers trying to maximise fuel substitution.

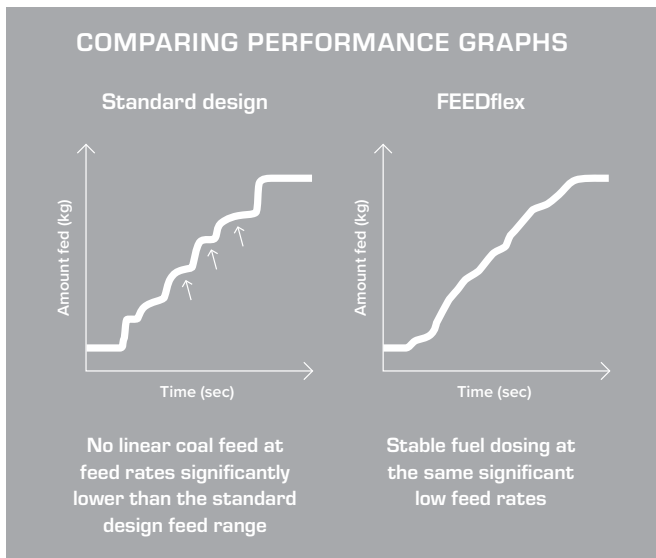
Our feeding experts have developed a solution to this problem, by significantly reducing the feed rates of the PFISTER® DRW Rotor Weighfeeder without limiting the maximum possible feedrate.

Minimising coal consumption

The patented Pfister FEEDflex technology is an upgrade to the DRW Rotor Weighfeeder that enables you to dose very small quantities of pulverized fuel, pulsation free – down to as little as 60 kg per hour, dependent on the DRW Rotor Weighfeeder type. In addition, a new DRW can be optionally equipped with FEEDflex.

The maximum feed rate is unaffected, so when you need to increase coal consumption – at kiln start-up, for example, or if AF supplies are low – you can do so.

FEEDflex gives you the flexibility to operate with very low coal feed rates in the max. feed range of 1:100 pulsation free dosing and the scope to increase the use of low-cost, environmentally friendly alternative fuels.



Countries	Feeder Type	Min. Feedrate t/h original design	Min. Feedrate t/h with FEEDflex	Possible coal savings t/h
Germany	DRW 4.12	1.30	0.30	1.00
Polska	DRW 1.2	1.20	0.06	1.14
Romania	DRW 4.12	1.20	0.25	0.95
Germany	DRW 1.2	0.65	0.14	0.51
Germany	DRW 3.10	0.60	0.14	0.46
Turkey	DRW 3.10	0.92	0.14	0.78
Germany	DRW 1.2	1.20	0.20	1.00

* Customer experience see here: Schwenk Zement KG achieves flexible solid fuel dosing with FEEDflex™ (flsmidth.com)

Getting to zero

When it comes to achieving our ambitious Net Zero targets, every little helps. Solutions like the FEEDflex technology enable improvements in alternative fuel use and energy performance, helping cement plants cut their carbon footprint and reduce their environmental impact.