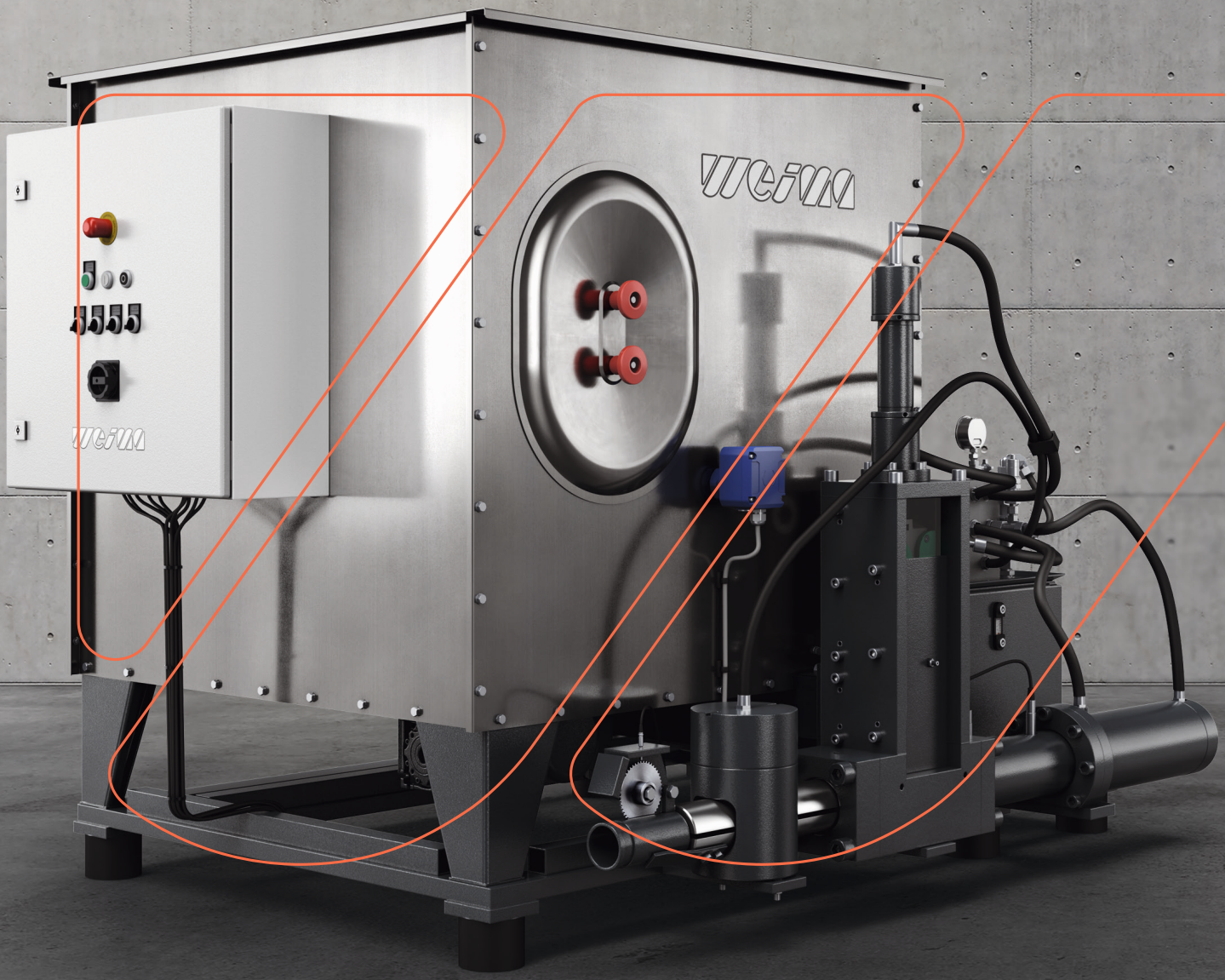
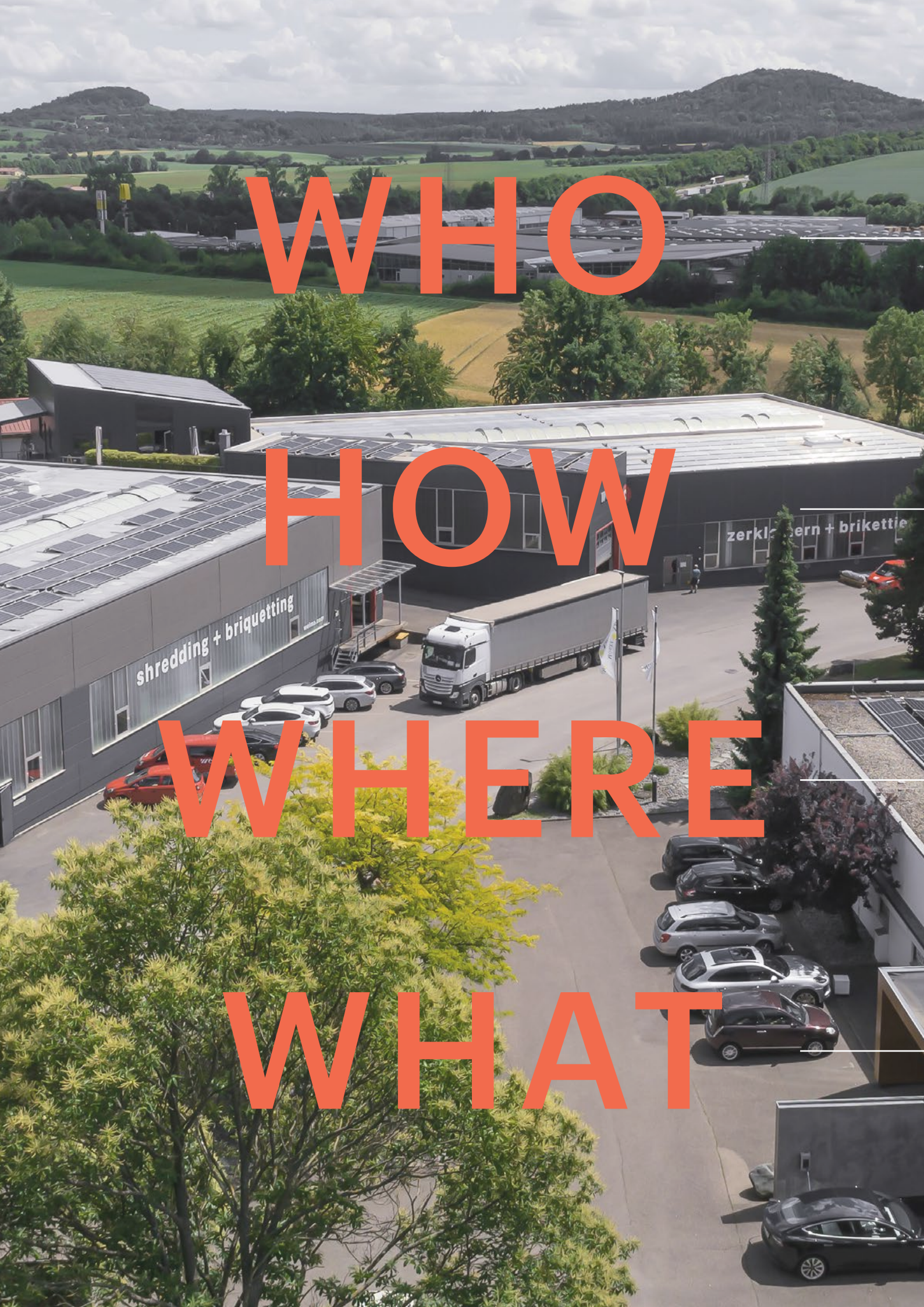
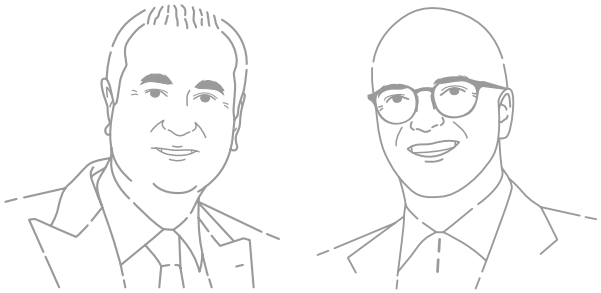
SHREDDING + COMPRESSING



C SERIES
BRIQUETTE PRESSES



WHO
HOW
WHERE
WHAT



The family business.

The young entrepreneur and visionary, Peter Rössler, recognized the potential of waste recycling early on and founded Weinsberg Maschinenfabrik – or WEIMA for short – in 1980. After the turn of the millennium, Martin Friz succeeded in bringing about the generation shift and has now been running the business since 2003.

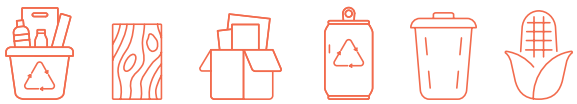
Global leader.

WEIMA produces more than 1,200 shredders, briquetters and drainage presses per year on a production area of approx. 65,000 sqm with more than 300 employees worldwide. Since its foundation, about 40,000 machines have been delivered worldwide.

Built in Germany, made for the world.

Thanks to the early international orientation, WEIMA is represented in all important markets. Sales and service locations are located in Europe, the USA, China and India.

1. Ilsfeld | HQ (DE))
2. Annaburg | Production (DE)
3. Abstatt | Production (DE)
4. Fort Mill | Sales & Service (US)
5. Yantai | Sales & Service (CN)
6. Ahmedabad | Sales & Service (IN)



From trash to treasure.

With WEIMA machines there are (almost) no limits. For over 40 years, we have been shredding and compressing production waste from a variety of industries, including plastics, wood, paper, metal, packaging, waste and biomass.

TECHNICAL HIGHLIGHTS

Spacious feed hopper
as material buffer

C Series briquetting presses offer a large capacity for material to be compressed. Depending on the space requirements, the press unit and the hydraulic unit can be flexibly installed to the right or left of the hopper. The agitator and the material screw conveyor are located at the bottom of the hopper. If required, the hopper can be equipped with a fill level monitoring system which automatically switches off the briquette press as soon as the material quantity falls below a defined level.

Vertical material pre-compaction
in the filling tower

The screw conveyor below the feed hopper transports a defined quantity of material into the filling tower. There, vertical pre-compaction takes place, with a slide pressing the material into the press sleeve below. A particularly solid briquette can then be produced after the subsequent clamp compaction.

Simple machine operation
with high-quality Siemens PLC control

No frills – the most important things at a glance. The built-in Siemens PLC control is optimally adapted to the briquetting process. Various settings can be conveniently adjusted to the desired application. All control cabinets are designed in-house and built in our German production facilities using international standard parts.

ROBUST HYDRAULICS
with separate oil tank

The compact hydraulic unit is located directly next to the feed hopper.
It is temperature controlled.
The pump motor is designed for long service life.

Proven clamping technology
for high-strength, round briquettes up to 70 mm Ø

The extremely wear-resistant, chrome-plated pressing clamp is surrounded by a hydraulic closing cylinder. It holds the briquette produced by the pressing cylinder during pressing. For this purpose, both halves of the clamp are closed and opened again during discharge.

Consistent briquette lengths
thanks to electromechanical monitoring

To ensure that the briquette length remains constant even with changing materials, briquetting presses of the C series come standard with an electromechanical briquette length monitor with proximity switch. This is located directly in front of the clamp on the briquette discharge pipe.

Uniform material transport
into the screw channel

The agitator installed at the bottom of the feed hopper ensures a constant material feed to the screw conveyor. The continuous material circulation also prevents material bridging and breaks up lumps.

TECHNICAL HIGHLIGHTS

Minimal wear in the press chamber

due to pressing chamber wear sleeve

WEIMA's standard pressing chamber wear sleeves are hardened. Optionally, they are made of tool steel. In both cases, increased wear of the press chamber is effectively prevented – especially with abrasive materials containing sand, soil, or metal chips. Instead of replacing the entire press block when wear occurs, only the significantly less expensive pressing chamber needs to be replaced. This saves labor, time, and costs – maintenance is significantly simplified.

LOW MAINTENANCE HYDRAULIC CYLINDER

for optimized operations

All installed cylinders have stroke cushioning and come equipped with a bolted lock. This guarantees easy access for maintenance or modifications.

Optimized material input

by means of a screw conveyor

The material is conveyed in metered quantities from the hopper to the pressing unit by means of a screw conveyor. For this purpose, a precise quantity required to produce a single briquette is defined electromechanically via the screw speed and running time. Compared to conventional horizontal pushers, this efficiently avoids material bridging or clogging of the feed channel.

TECHNICAL DATA AND MACHINE CONFIGURATION

Technical data C series

	C 140	C 150	C 160	C 170
Briquette diameter [mm]	40	50	60	70
Throughput rate up to [kg/h] 1)	40	50	60	70
Hydraulic motor [kW]	4	5.5	5.5	5.5
Hydraulic oil volume [liter]	100	100	100	100
Weight [approx. kg]	530	800	850	900
Space requirement (L × W × H) [approx. mm] 2)	1,290 × 1,940 × 1,410	1,315 × 1,975 × 1,410	1,315 × 1,975 × 1,410	1,296 × 1,940 × 1,410

1) depending on material
2) detailed dimensions upon request

Machine configuration C series

● *Standard* ○ *Optional* – *Not available*

MECHANICS				
Press mechanics with hydraulic cylinder	●	●	●	●
Briquette length monitoring	○	●	●	●
Pressing chamber wear sleeve	○	●	●	●
Chrome plated clamp	●	●	●	●
HYDRAULICS				
Hydraulic power unit with tank	●	●	●	●
Hydraulic oil cooling	–	○	○	○
Safety switch for oil temperature	●	●	●	●
HOPPER				
Hopper size 1,040 x 1,040 mm	●	●	●	●
On-off automatic with level limit switch	○	○	○	○
Inspection cover with limit switch	○	○	○	○
Reinforced agitator gear motor	–	○	○	○
Sheet metal hopper cover	○	○	○	○
ELECTRICAL				
Control cabinet with Siemens PLC control	●	●	●	●
OTHER FEATURES				
Stable base frame on rubber feet	●	●	●	●

Other options, special equipment and technical modifications are available upon request.

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Subject to technical changes | 01082021