

**Compaction
with
Roller Presses**

**Kompaktieren
mit
Walzenpressen**

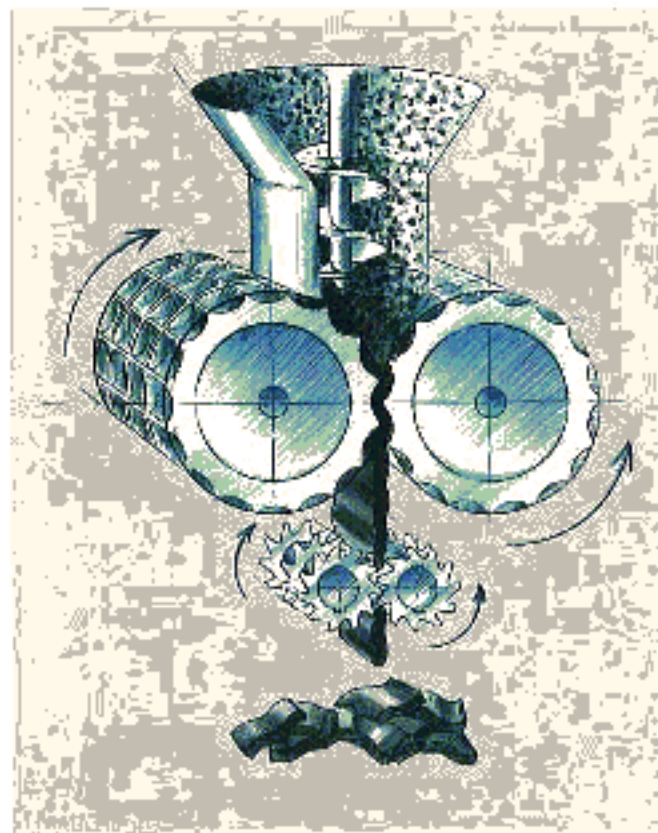
Köppern

Köppern Know-How – Compaction / Granulation

Köppern Know-How – die Pressgranulierung



*Compaction tests
in Köppern's pilot plant
Kompaktierungsversuche in
unserem Technikum*



Premixed particulate material is compacted in a roller press into sheets (flakes), pre-crushed, granulated, and screened.

Das gemischte Feingut wird in einer Kompaktieranlage zu Schülpen verpresst, vorzerkleinert, zu Granulat zerkleinert und klassiert.



Partial list of materials commonly granulated by compaction:

- ammonium sulphate
- calcium cyanamide
- ceramic materials
- NPK fertilizers
- potash
- roasted pyrite
- salts
- sodium carbonate
- sodium sulphate
- thomas potash

Auswahl von Stoffen, die zu Pressgranulaten verarbeitet werden:

- Ammoniumsulfat
- Kali
- Kalkstickstoff
- Keramikmaterial
- Kiesabbrände
- Natriumsulfat
- NPK-Dünger
- Salze
- Soda
- Thomaskali

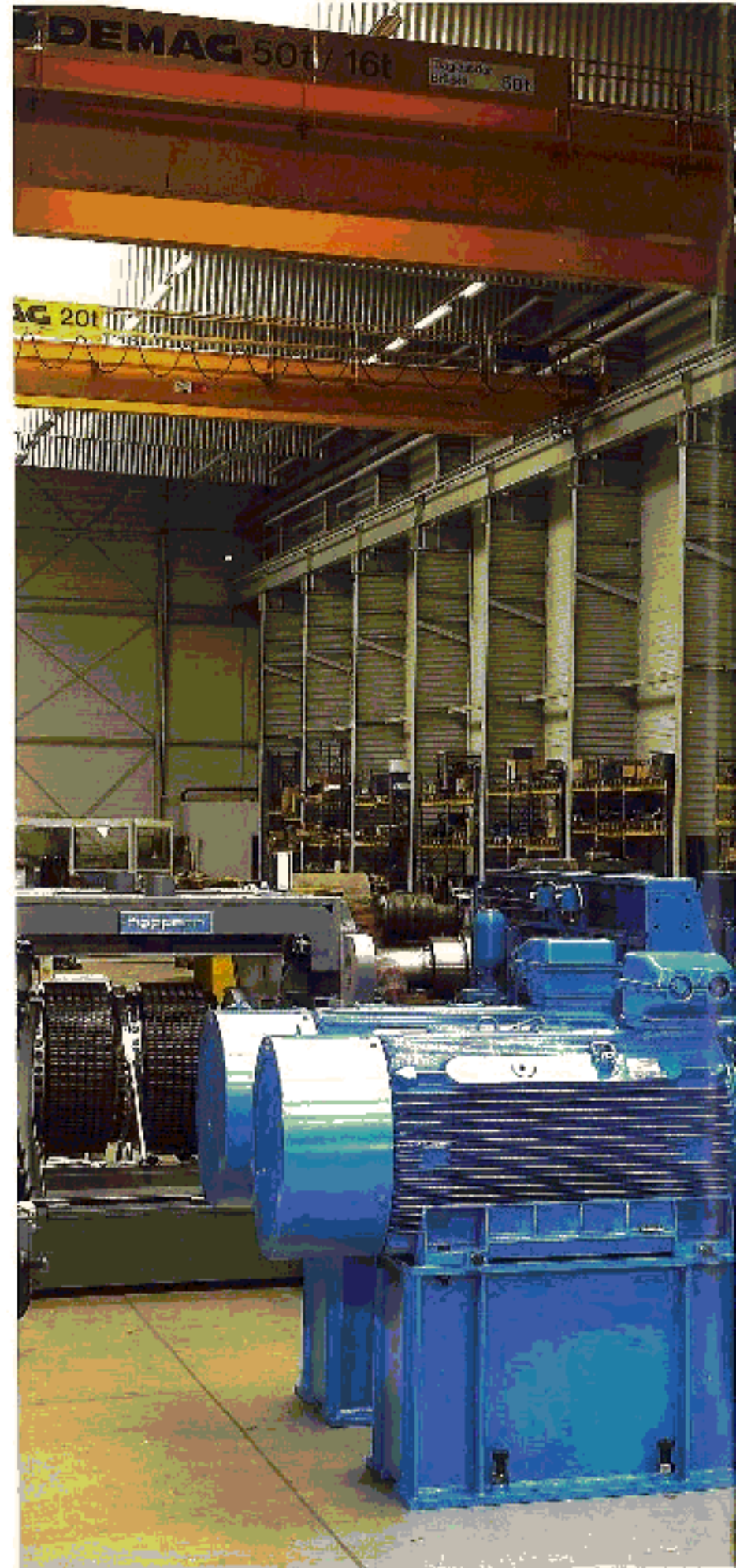
Köppern Roller Presses – Designed for Top Performance

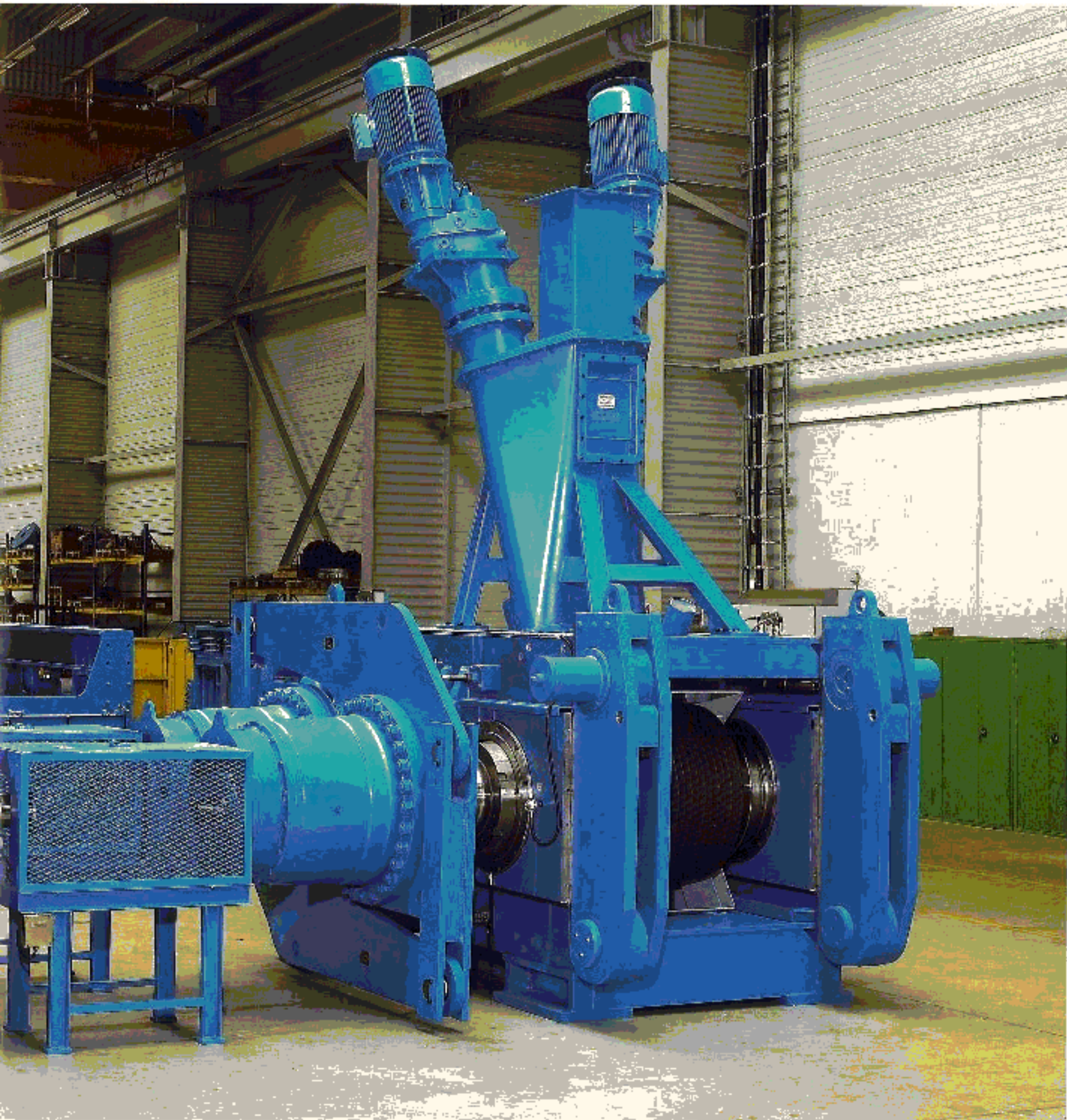
Köppern-Walzenpressen – Spitzenleistung bis ins Detail

*Köppern Roller Presses
are available
for all capacity ranges*

*Köppern-Walzenpressen
für alle Leistungsbereiche*

press type Pressentype	Köppern Roller Presses capacity ranges							max. pressing force (kN) max. Presskraft (kN)
	Köppern-Walzenpressen Leistungsbereiche				Leistung t/h			
	0	20	40	60	80	100	120	
40	■							1600
52		■						2600
60			■					3750
72				■				5300
92					■			8650
500						■		10.400



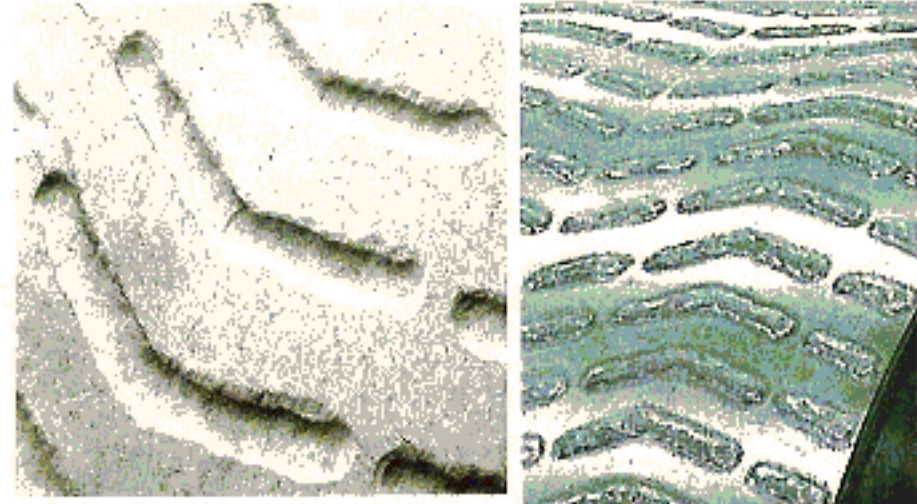


*Roller press for compaction
Walzenpresse für die Kompaktierung*

Köppern

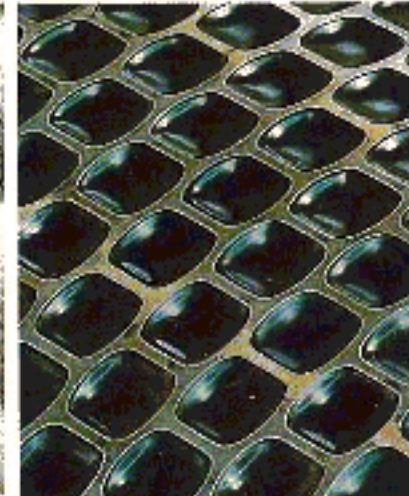
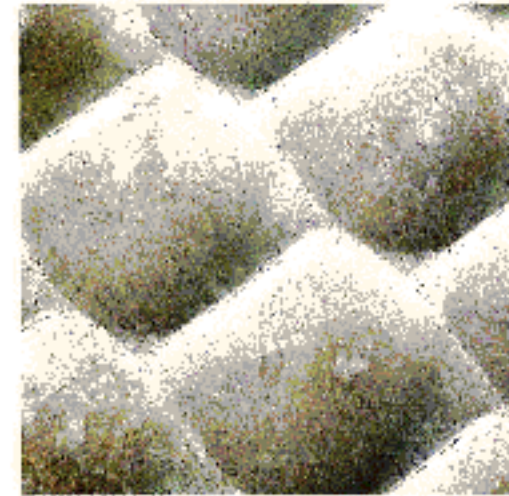
Köppern
Possesses Special Know-How
Including Plant Engineering

Köppern
– Spezialkenntnisse
bis zum Anlagenbau

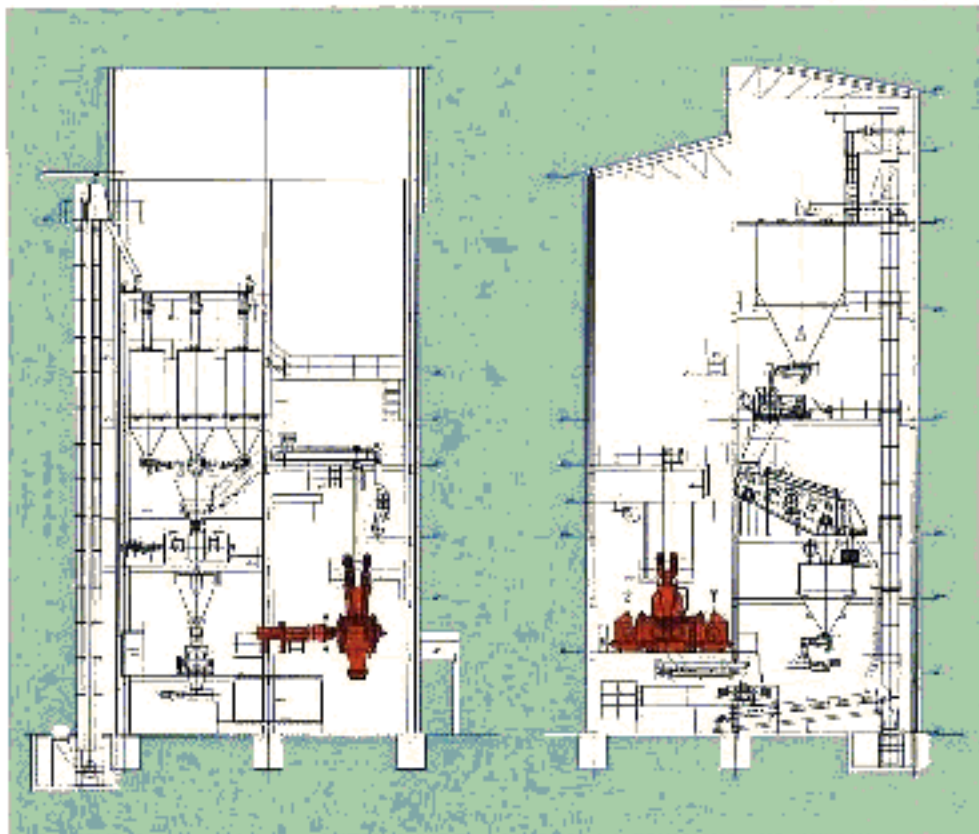


Roller with hard facing

Gepanzerte Walzenoberfläche

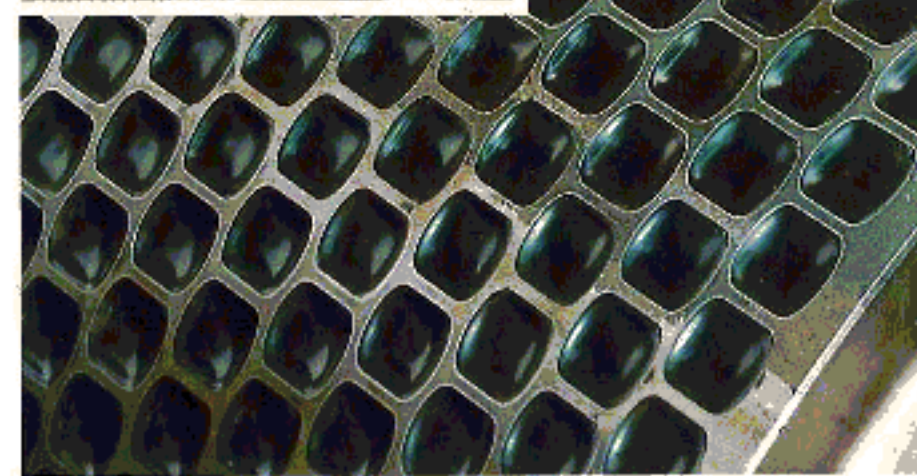


Köppern fertilizer compaction plant
Köppern Dünger-Kompaktieranlage



Köppern fertilizer compaction plant

Köppern Dünger-Kompaktieranlage



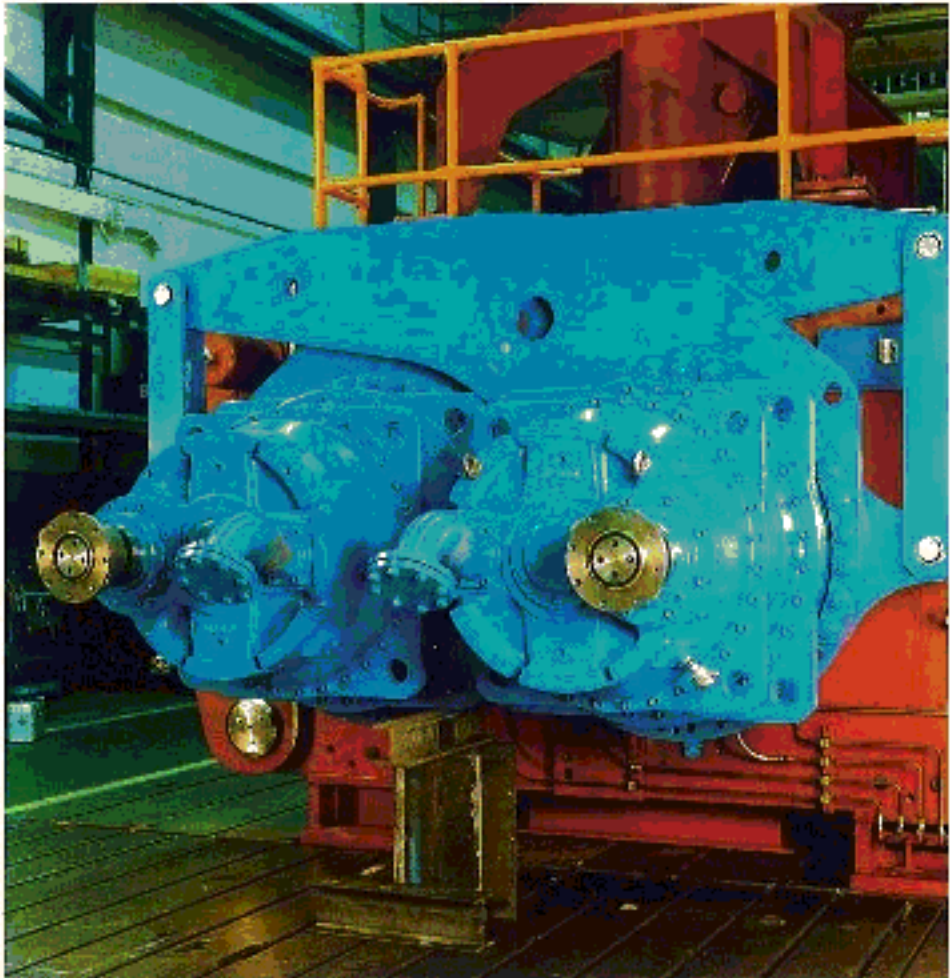
Profiled roll tyre

Profiliertes Ring



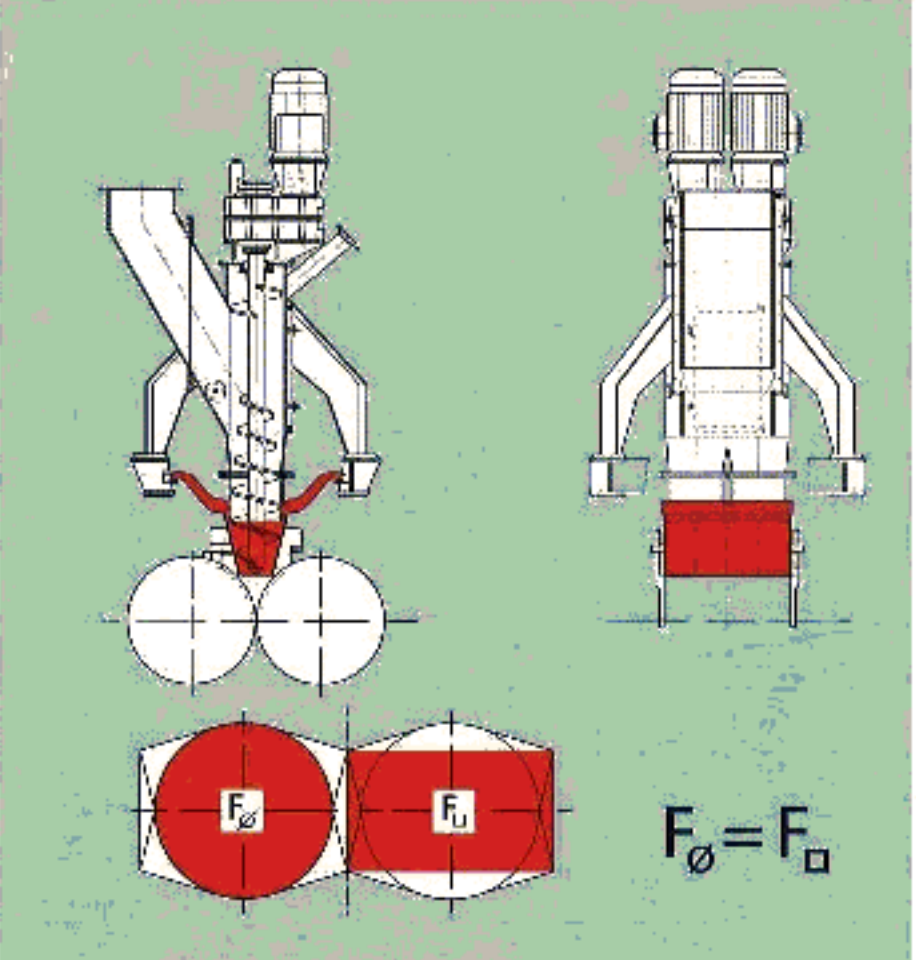
Material feeder

Materialzuteiler



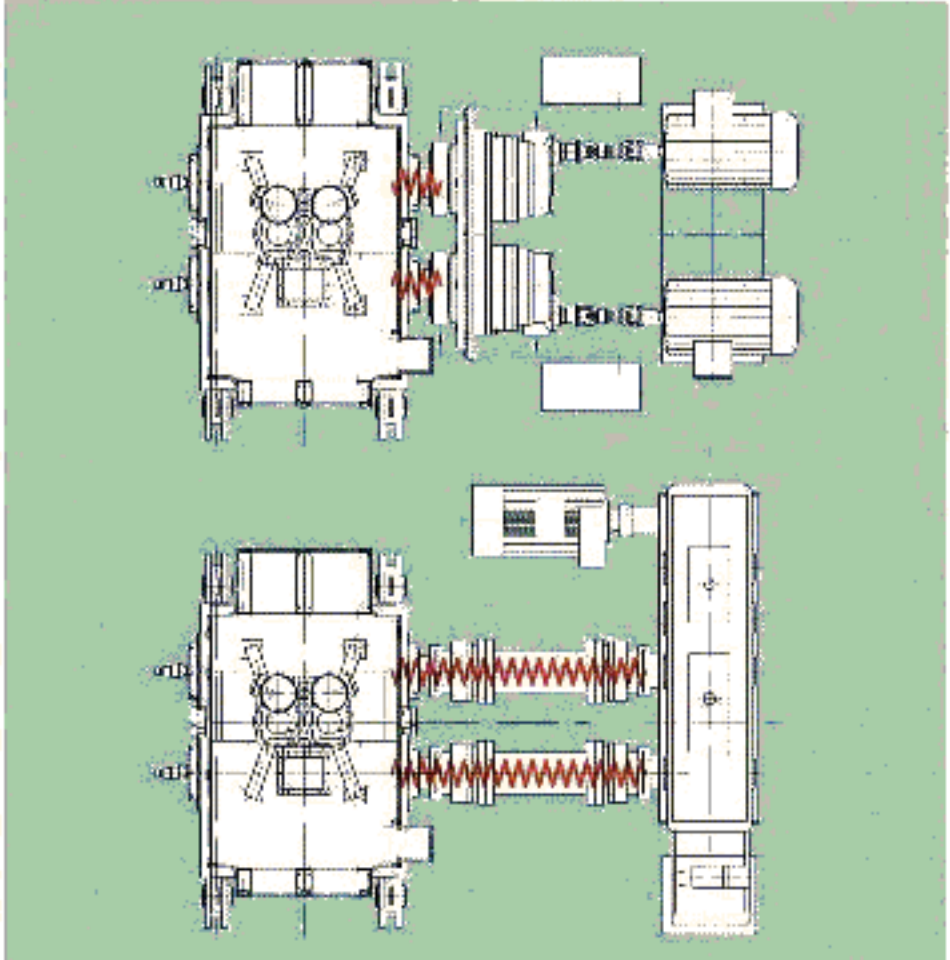
Planetary gears

Planetengetriebe



Screw feeder with transition piece

Schnecke mit Übergangstück



Comparison planetary- / double shaft drive

Vergleich Planeten- / Doppelwellenantrieb

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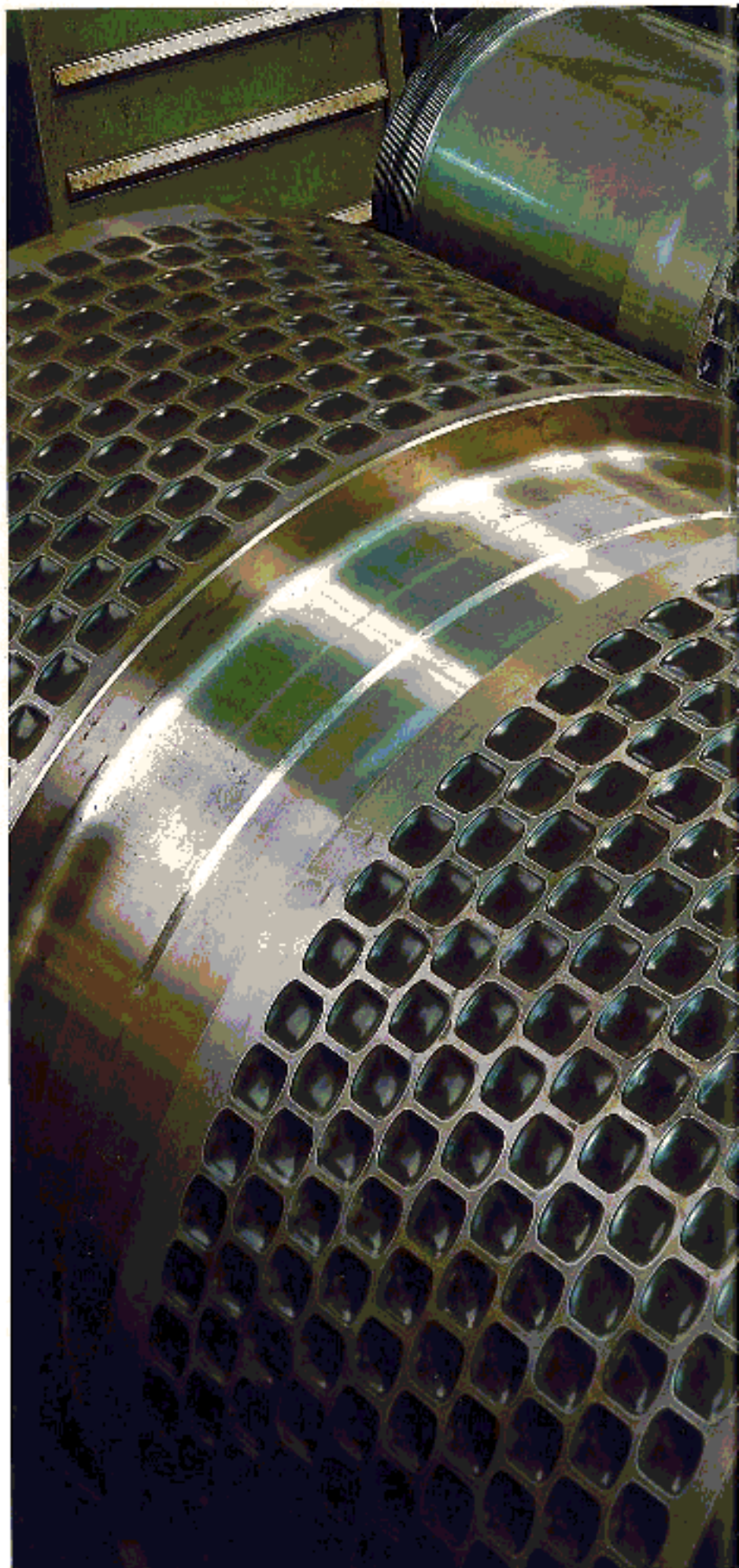
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