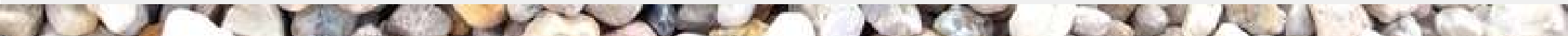


Welcome at WIMA

**Wilsdruffer
Maschinen- und Anlagenbau GmbH**



introduction WIMA

wima.
The Complete System

- managing director: Günter Specht & Jörg Thomas
- employees: 85 +
- trainees / students: 3 +
- foundation: 2007
- experience: over 25 years
- locations: Wilsdruff, near Dresden
Hattingen, near Essen
- sales manager for sweden: Stephan Rößler





inquiry



analysis



engineering



design



assembly



adjustments on
changed conditions



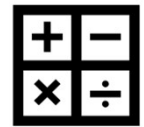
inspection at site



check installation situation



creation offers



machine adjustment



inspection / service / maintenance



extensive spare parts stock



customers requests



order handling



realisation / production



documentation
of the machine life



satisfied customers

introduction WIMA

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Screening machines



Twin shaft log washers



Sand traps



Bucket wheels



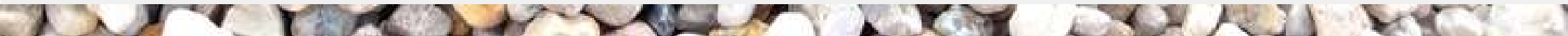
Heavy media separators



Feeders

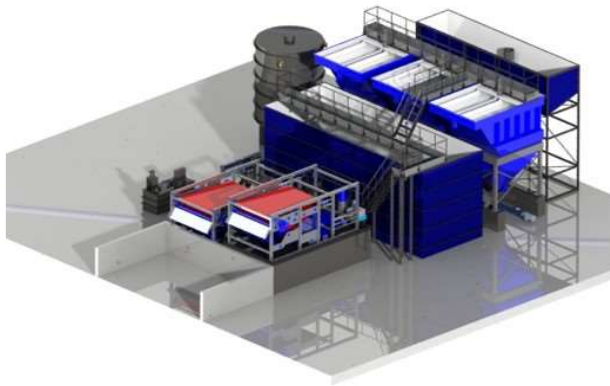


Steel and sheet metal constructions



introduction WIMA

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Water treatment
plants



HDS-Series
Recycling Industry

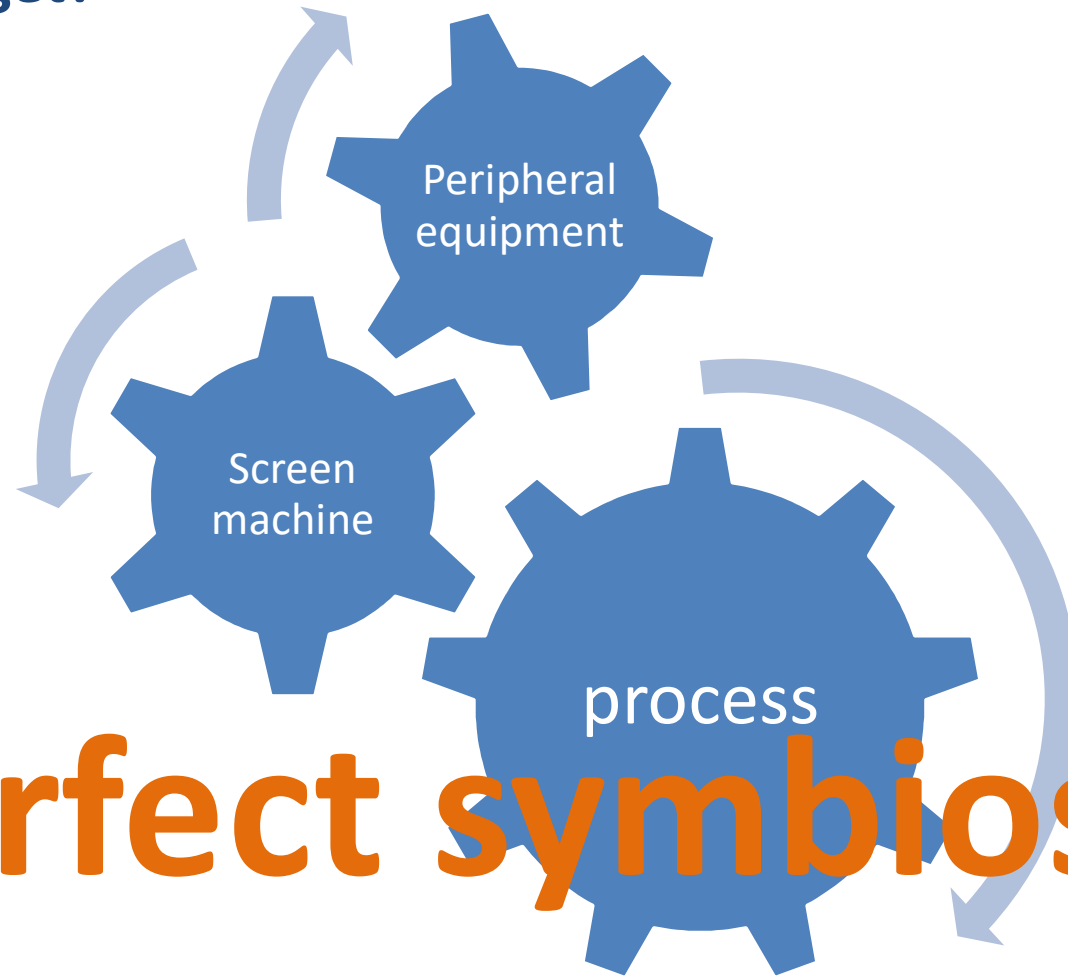


Small Business Projects



What is the target?

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... perfect symbiosis...



What the target?

process

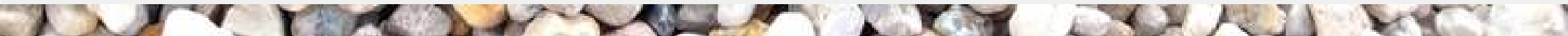
- Grain distribution/ crusher discharge curves
- Grain shape
- Cutting point
- Feed material
- Material moisture
- Layer heights
- Contamination
 - Organic (loam, clay, wood, coal)
 - Chemical (contaminated soil/earth)
- Current screening limits
 - oversize grain, undersize grain
- applicable standards
 - EN 13043 (asphalt)
 - EN 12620 (cement)
 - EN 13450 (track ballast)

Screen machine

- machine
 - manufacturer
 - type, size, inclination
 - number of decks
 - distance of decks
- Machine parameter
 - Stroke, RPM
- Water volume m³/h
- Water pressure
- Nozzle size and number
- Nozzle distance to the screen surface

Peripheral equipment

- feed situation (feeding chute)
- discharge situation
- Continuous wide-area feed
- Type of screening surface currently used
 - Wire, PU
 - supplier
- Mesh size of the screening surface currently in use
- Are there any current problem?
 - Plugging, caking on the screen surface



What the target?

process

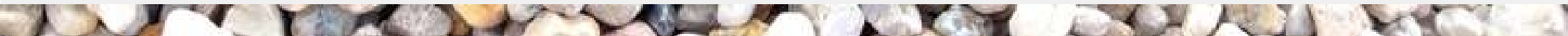
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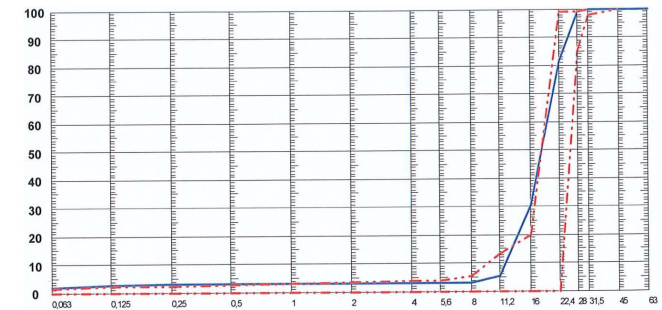
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What is the target?

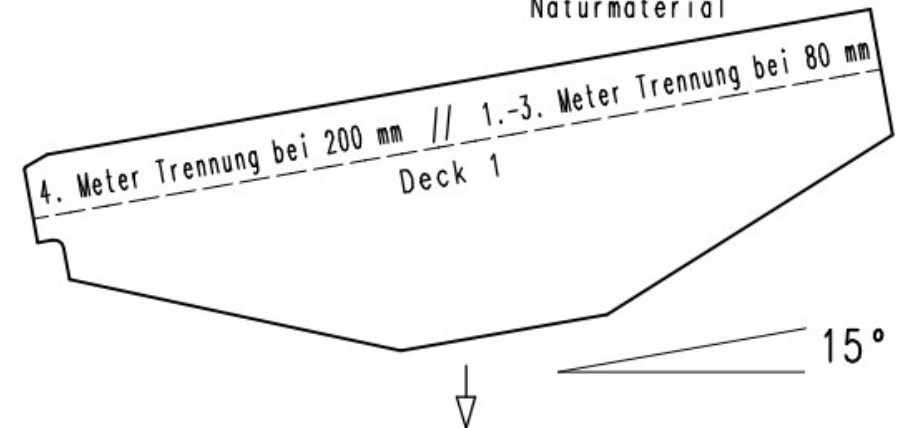
wima.
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400 t/h

0 - 150 mm

Naturmaterial



What the target?

process

- Grain distribution/ crusher discharge curves
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A photograph of a large industrial machine, likely a paper mill component, featuring a large metal frame, a yellow safety barrier, and a series of rollers or brushes. The machine is situated in a factory setting with a metal grate floor and a bright light source in the background.

[illegible]

What the target?

process

- Grain distribution/ crusher discharge curves
- Grain shape
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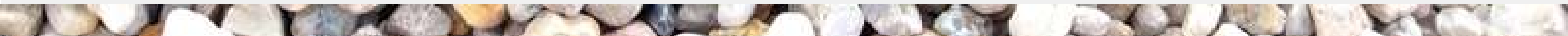
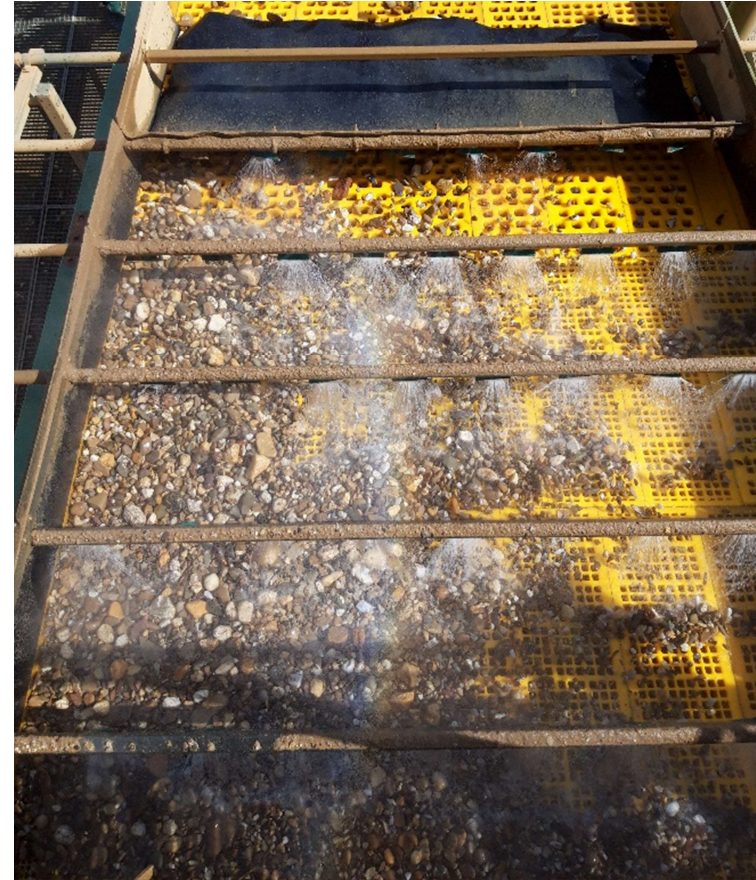
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What is the target?

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Small Business Projects (screen stations)

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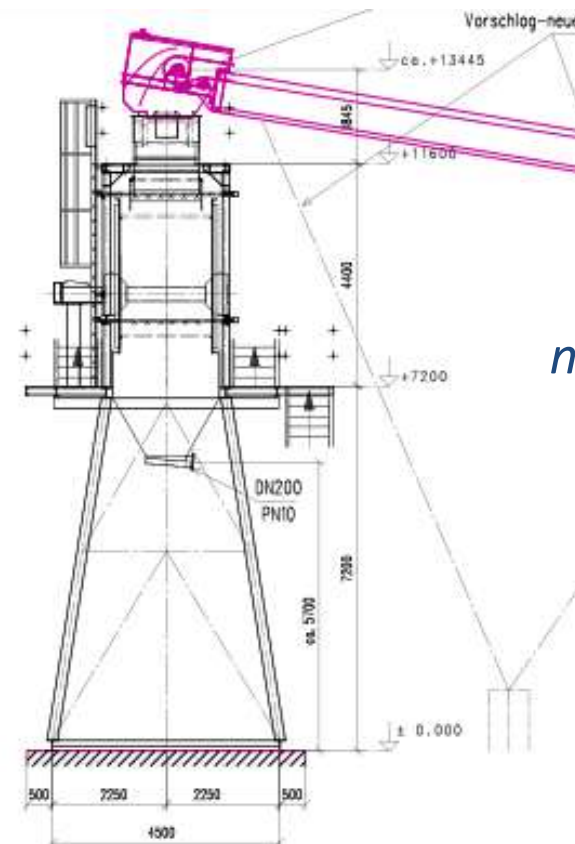
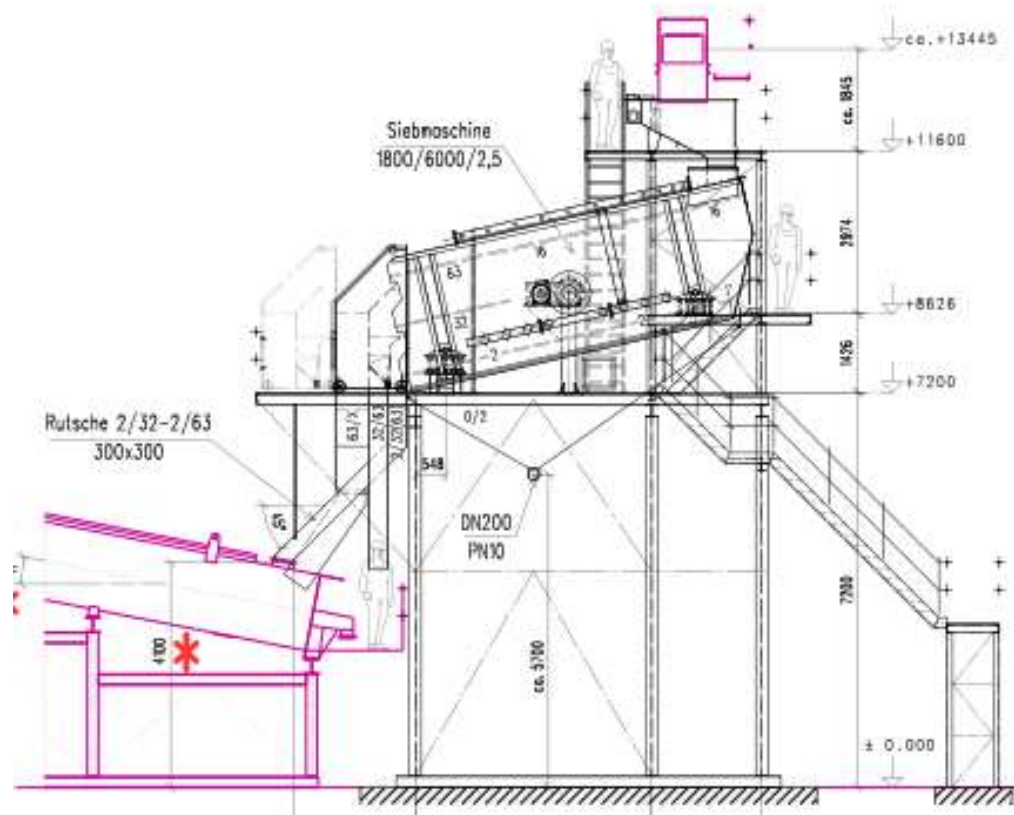


existing screen station



Small Business Projects (screen stations)

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*Layout
new screen station*

Small Business Projects (screen stations)

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New screen station



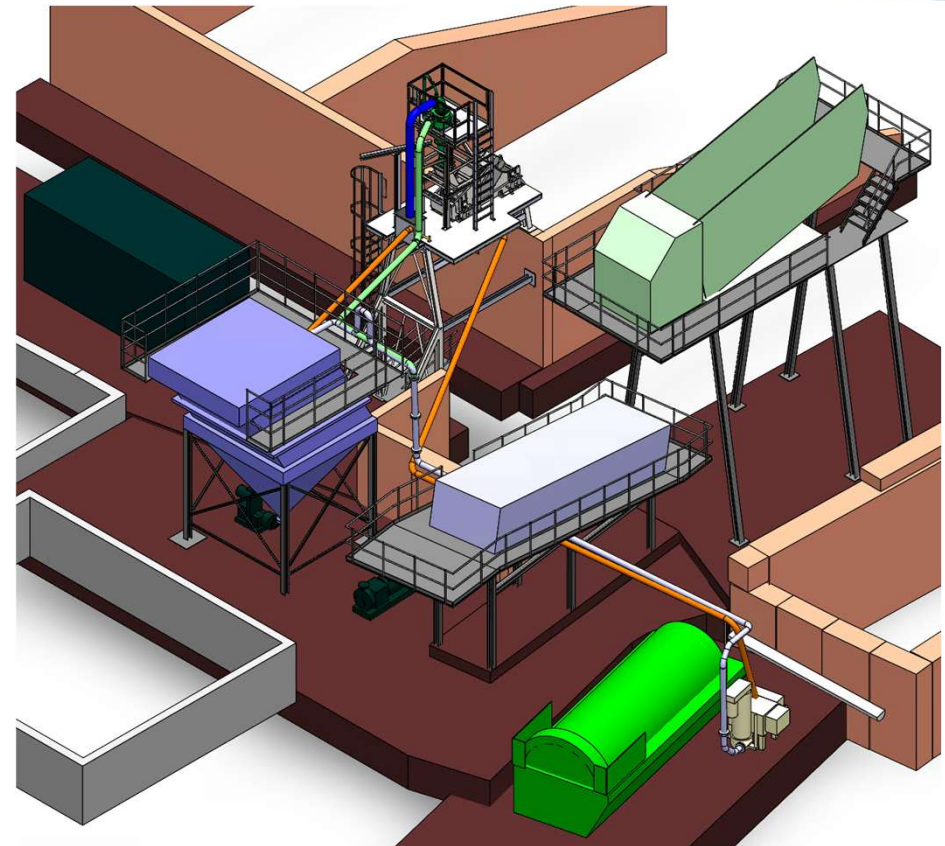
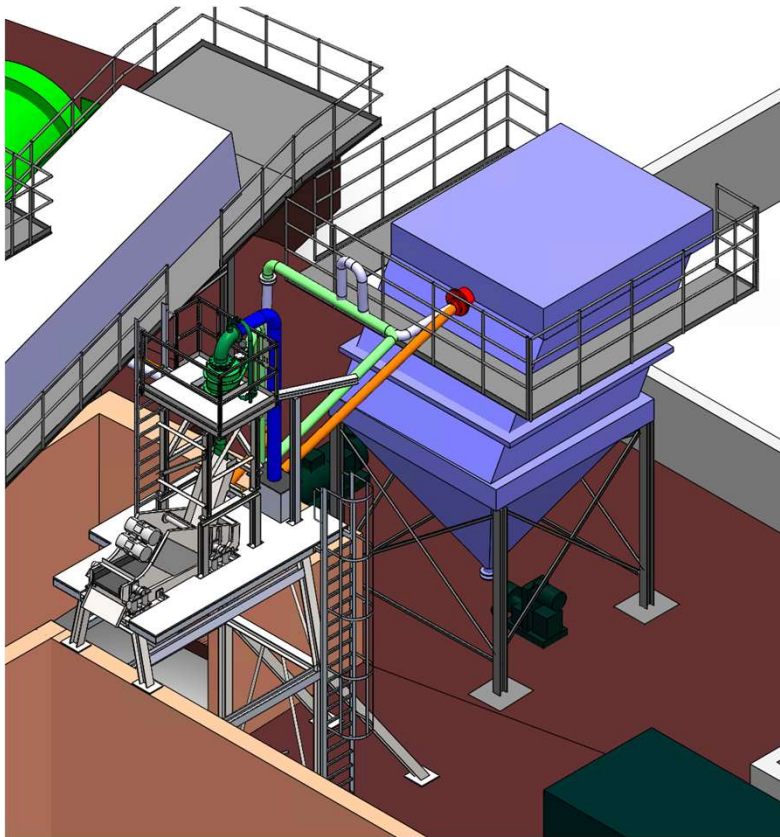
Small Business Projects (dewatering machine with cyclon)

wima.
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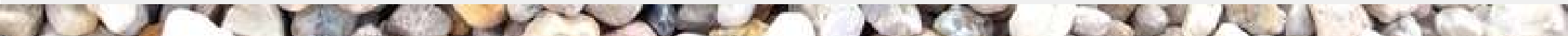
Small Business Projects (dewatering machine with cyclon)

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Small Business Projects (Log washer with silo)

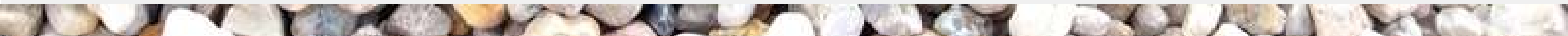
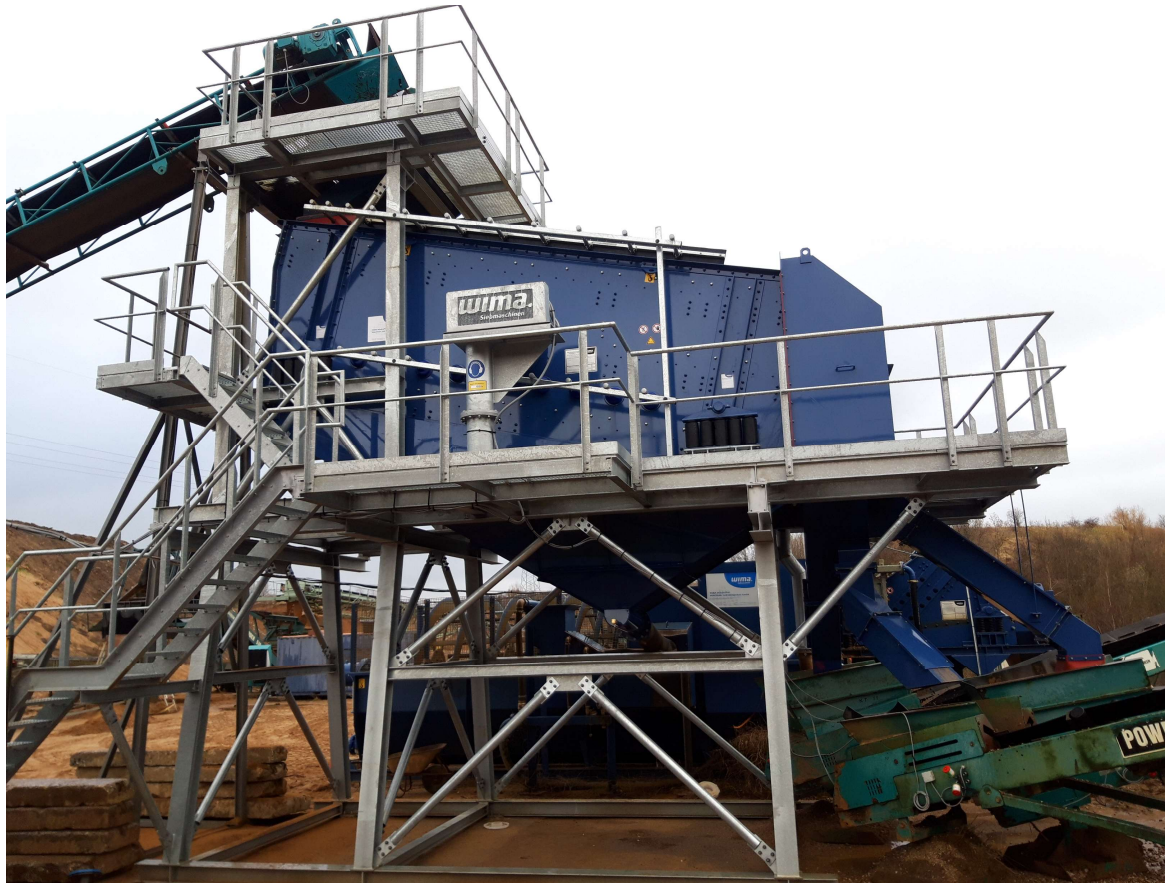
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introduction WIMA

Screening machines

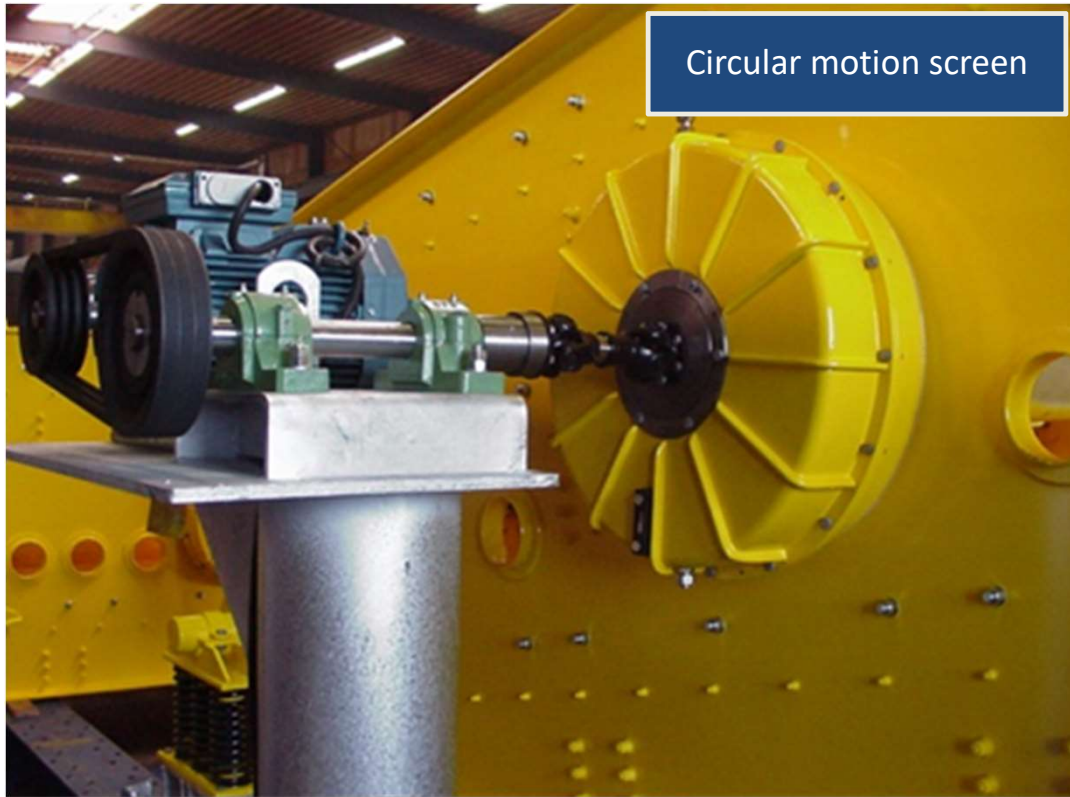
wima.
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introduction WIMA

Screening machines

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Circular motion screen



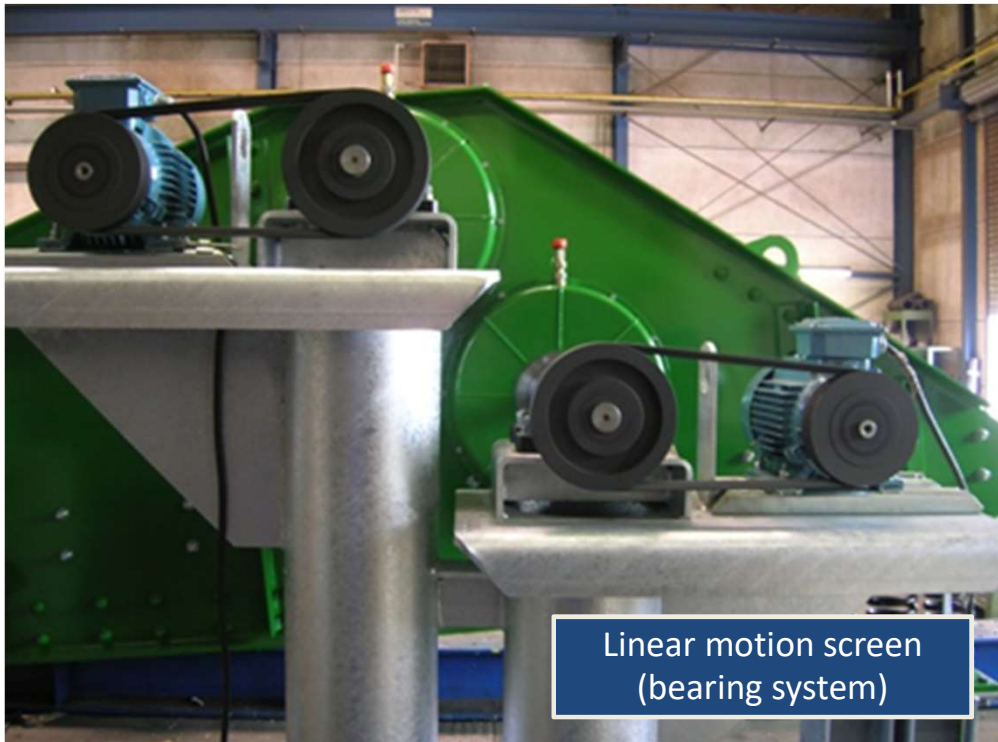
elliptical motion screen



introduction WIMA

Screening machines

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introduction WIMA

Screening machines

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1-Deck



2-Deck



2,5-Deck



3-Deck

WIMA drive systems

Intermediate shaft / single bearing system

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WIMA drive systems *Intermediate shaft / multiple bearing system*



Synchronised double bearing system

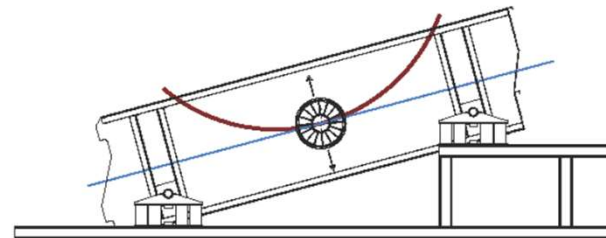
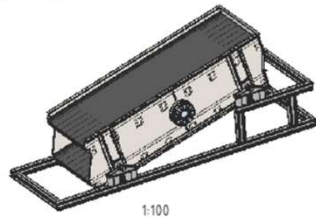


WIMA bearing systems

Comparison single and multiple bearing system

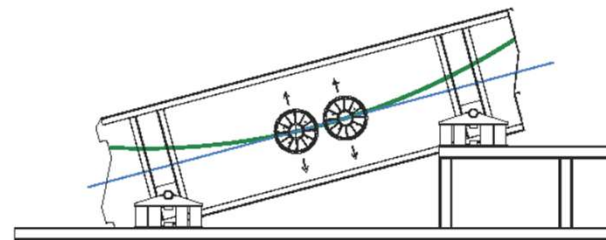
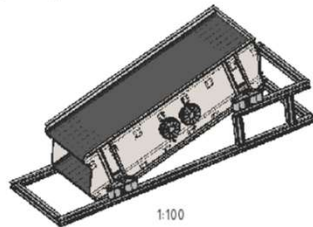
Prinzipskizzen zu Lagervarianten

Einfachlagerung



Verlauf ungünstig im Direktvergleich

Doppellagerung



Verlauf günstig im Direktvergleich

(Maschinennummer/Bauwerk)						Maßstab 1:50		Gewicht	
						(Drahtmaß)			

WIMA drive systems

Vibrating motors

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WIMA bearing system

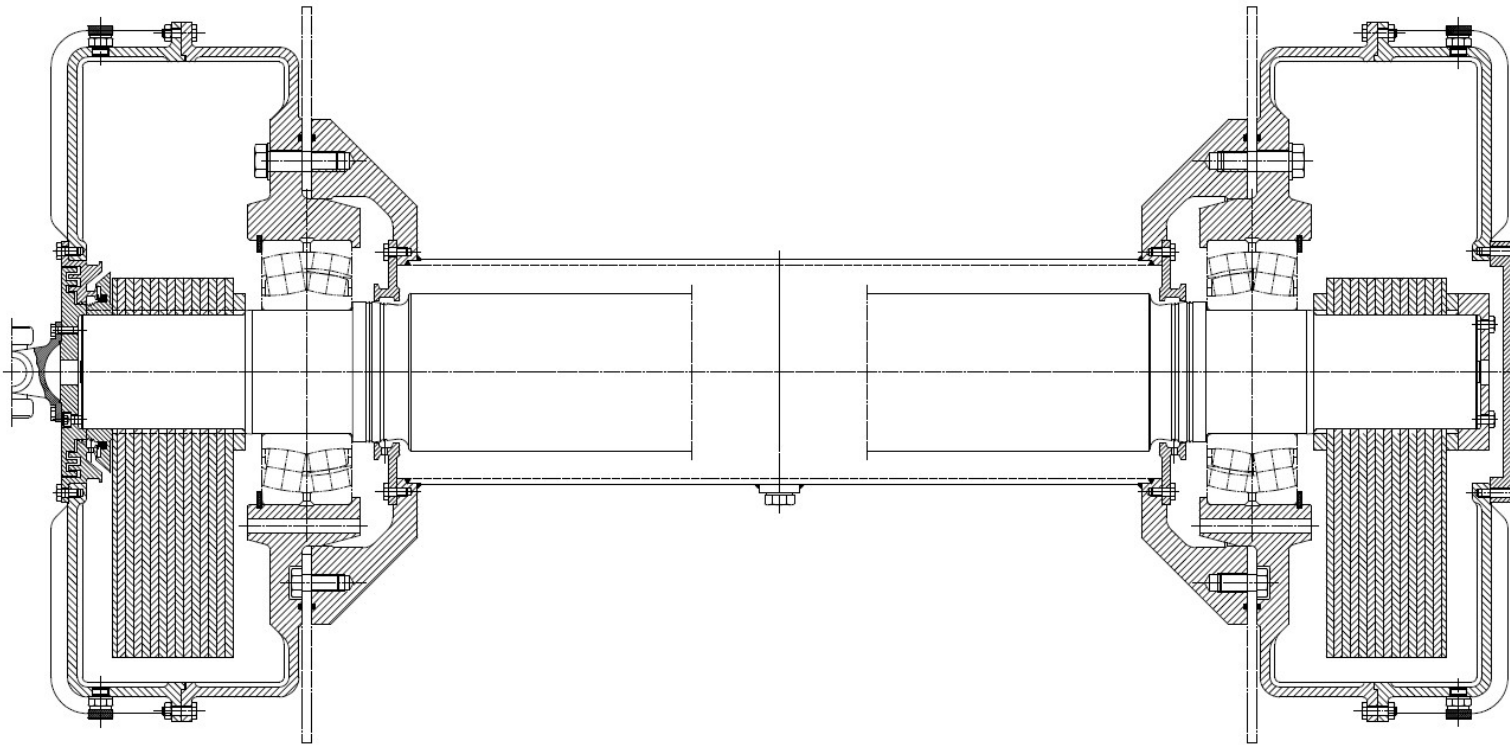
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**Bearing system with oil
splash and mist lubrication**

WIMA bearing system

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WIMA wear protection

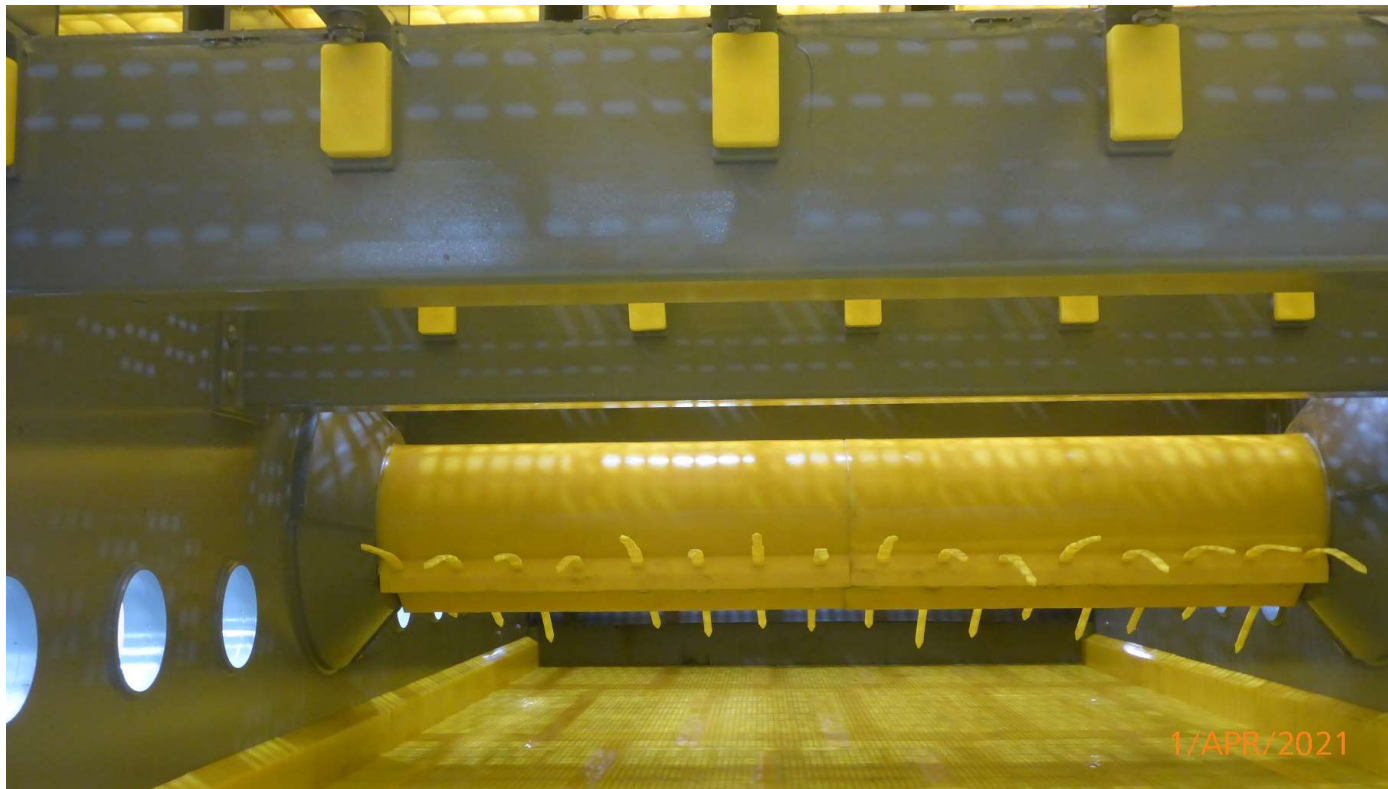
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WIMA wear protection

*Shaft protection tube / flange
combination PU / rubber*

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WIMA wear protection

Side walls / cross bearers

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Wear protective rubber
standard: SH 60/6 mm

options for cross bearers / side walls:

SH 60/10 mm

SH 40/6 mm

SH 40/10 mm

PU- magnet system WS 2.10

WIMA wear prodection

Cross beam PU-magnet system

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03.01.2024

33

WIMA wear protection

Longitudinal bearers

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**Longitudinal bearers made of C-Profil
for PU-/rubber modular systems**

- easy exchangeable
- support „Huck- bolted“ on cross bearer
- wear protection for Huck- bolts made of PU

WIMA screen media systems

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*offset after each meter
for an optimal screening
process, no blind zones
along the total length
of the machine*



*sealing side protection bars / screen media
no backtracking of the material, fastening
without wedges*

WIMA screen medias from all well- know manufacturers
according customers request for all applications

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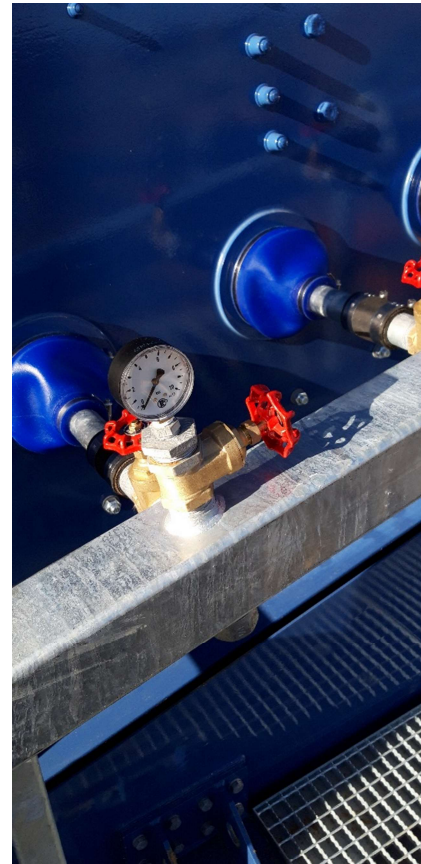
WIMA screen medias from all well- know manufacturers
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wima.
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WIMA spraying system

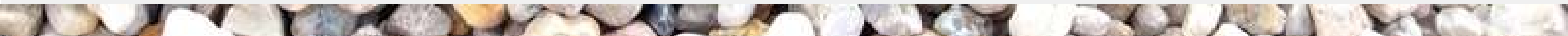
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WIMA special features



- tried and tested on the market since 1993
- Longitudinal girder offset for PU modular systems, thus preventing blind running of the screened material
- standard and non-standard screens (screen replacement in the existing steel structure) dimensioning and adaptation of the screening machines to the local conditions
- low oil quantities, no susceptible recirculating oil lubrication
- simple bearing change possible by replacing the bearing unit
- constant availability of spare parts due to standardization of components
- strong service team / availability from 6.00 a.m. to 3.00 p.m.



WIMA Twin shaft log washers

wima.
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WIMA Twin shaft log washers

wima.
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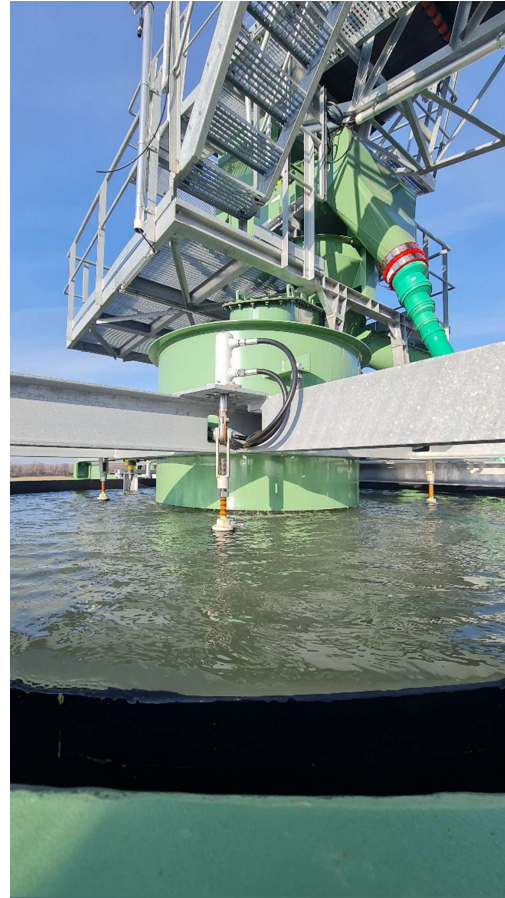
WIMA sand traps

wima.
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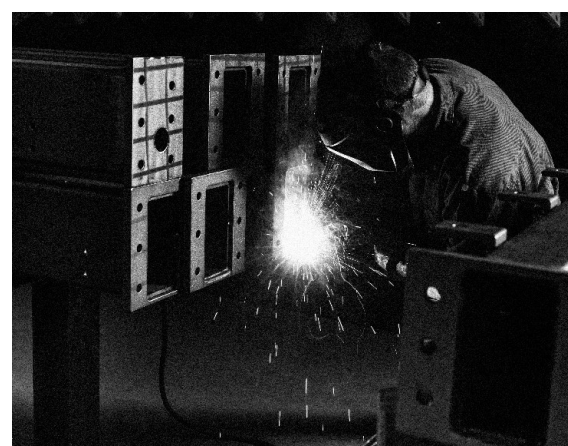
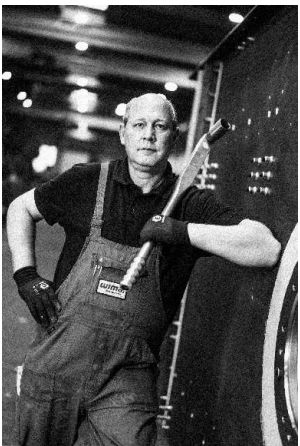
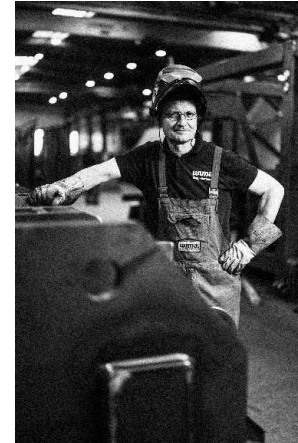
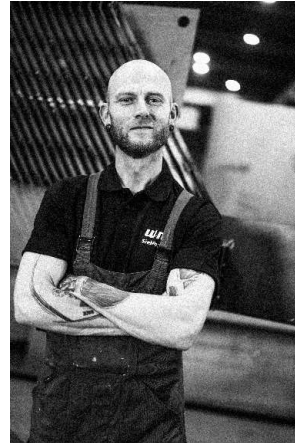
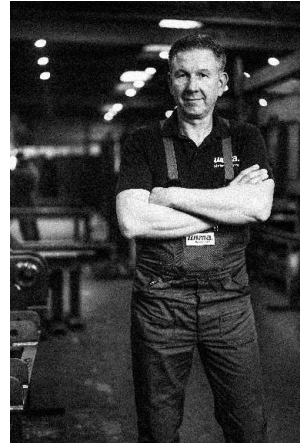
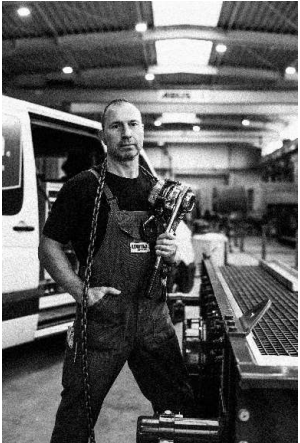
WIMA heavy media separators

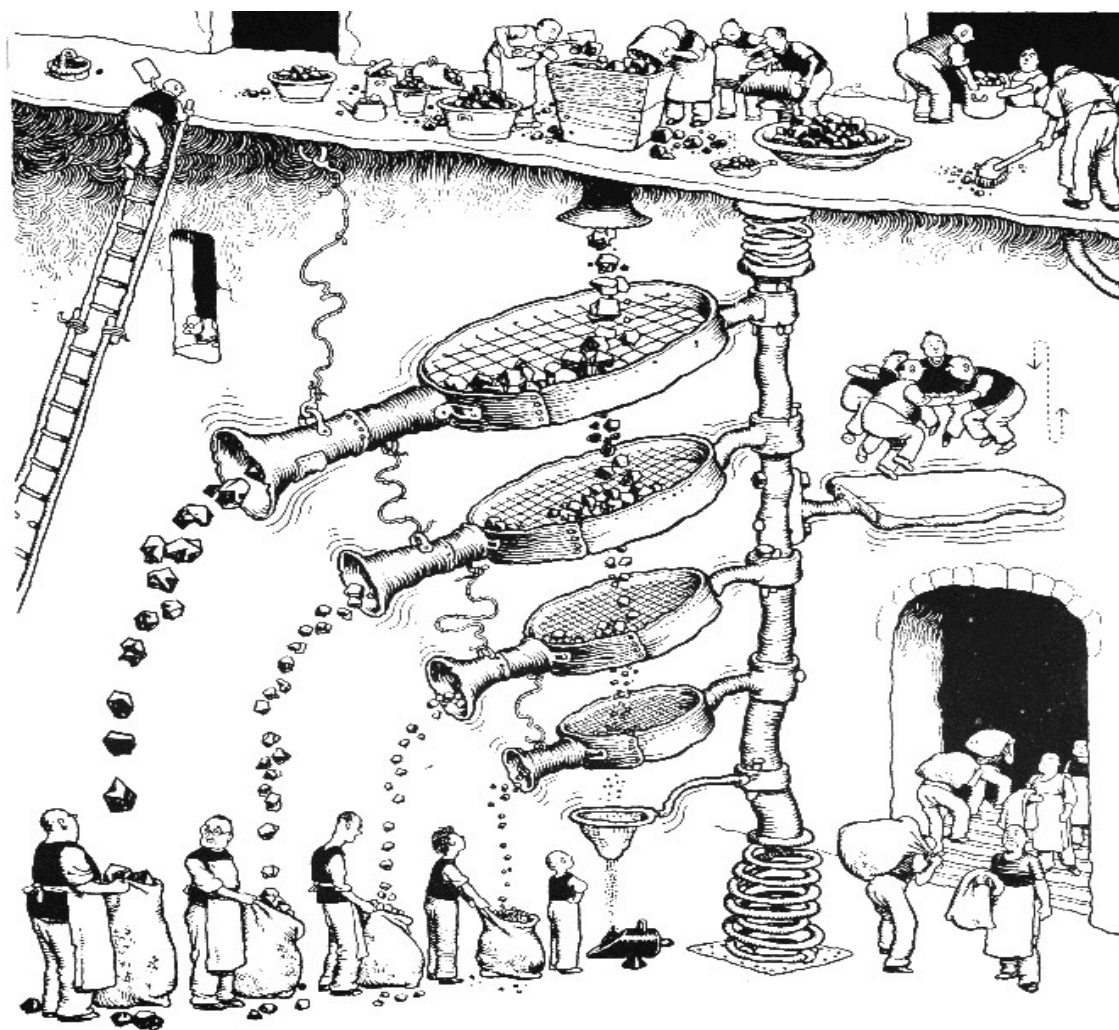
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Our WIMA Team ...

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Coke Grading