

MCSP SERIES

COMPACT SAND PLANT



FOR THE TOUGHEST WORKING CONDITIONS

› DURABLE › RELIABLE › EFFICIENT

MEKA

www.mekaglobal.com

MAXIMUM CLEANING, MAXIMUM OUTPUT, MORE PROFIT

Compact Sand Plant, is a modular type washing and dewatering system consisting of a slurry pump, hydrocyclone and dewatering screen on a single skid frame. In compact grit units, fine material <200 mesh (-75 μm) in the pulp (a mixture of sand and water) is separated using a pump, cyclone and dewatering screen. Thanks to the dewatering screen in the unit, the moisture content of the final product is reduced to minimum levels.

MEKA Compact Plants ensure maximum efficiency by removing deleterious material

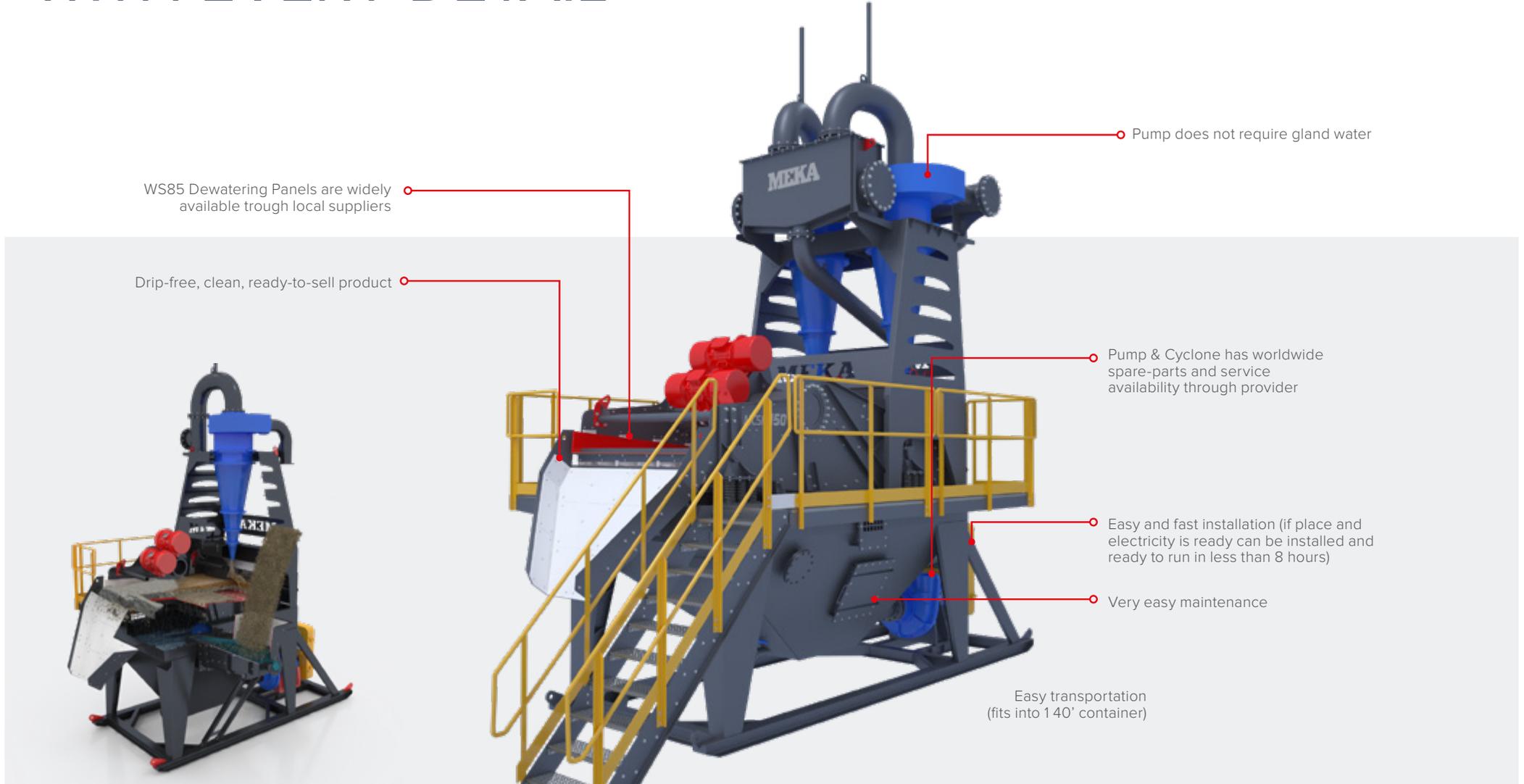
while retaining valuable fines. The final product is drip-free and ready to ship. With its compact footprint, it fits into any plant either to replace an old washing system or to add value to the end product.

Each component of the MEKA Compact Plant is selected intelligently to give you the best value for your investment. Plant self-protects itself against running dry or oversize particles. All wear parts have very long service lives and when the day comes very easy to replace on-site



READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

MEKA
MCSP SERIES
COMPACT SAND PLANT



SCAN OR CLICK QR CODE TO WATCH
THE MEKA COMPACT SAND PLANT
ANIMATION

WHY MEKA COMPACT SAND PLANT?

MANUFACTURED SAND PRODUCTION

VSI Crushed sand usually contains more than 7% -200 mesh fines. All MCSP series compact plants can accept -4mm (1/8") crushed sand and on most of the applications will give a product gradation that perfectly matches standards. When producing manufactured sand, usually a lot of wear and electricity is consumed during the process. Any other washing method loses too much of the fines leaving the customer with less than ideal product and wasting plant capacity and power. High value fines report to settling ponds and become a problem while they could be profits.



FRAC SAND/INDUSTRIAL SAND/ GLASS SAND APPLICATIONS

When the feed has more than 10% water soluble clays and silts MEKA Compact Plants are the best choice to produce ready to sell product in just one pass. On most applications ultra fines can be reduced from 20% to less than 4% in a single pass. For tougher applications MEKA MCSP plants can easily be integrated with pre-wash plants. These plants require minimal additional water and allow to reduce fines from 36% to less than 4% in a single pass.

ULTRA FINE PLANTS

UFP Plants perform very well when the job is to reduce load on thickeners, filter presses or settling ponds. Unfortunately their product is usually not very valuable. With simple adjustments a MEKA MCSP series plant will be able to recover at least 70% solids that would be recovered with a UFP Plant. Unlike an UFP Plant the product from a MCSP plant will have higher sale value and can be mixed with 1/4" material to increase its sales value.



TECHNICAL SPECIFICATIONS



SPECIFICATIONS

| | | MCSP 90 | MCSP 150 | MCSP 210 |
|----------------------------------|-------------------|---------------------|---------------------|--------------------|
| *Capacity | mtph | 90 | 150 | 210 |
| | stph | 100 | 165 | 231 |
| Maximum Water Requirement | m ³ /h | 270 | 450 | 630 |
| | gal/min | 1188 | 1981 | 2773 |
| Cyclone Diameter | mm | 500 | 660 | 2 x 660 |
| | inch | 20" | 26" | 2 x 26" |
| Screen Motor Power | kW | 2 x 2,88 / 1500 rpm | 2 x 7,35 / 1500 rpm | 2 x 6,1 / 1000 rpm |
| | HP | 2 x 3,86 / 1500 rpm | 2 x 9,85 / 1500 rpm | 2 x 8,2 / 1000 rpm |
| Dewatering Screen Size | mm | 1200 x 2400 | 1800 x 2400 | 1800 x 4000 |
| | feet | 4'x8' | 6'x13' | 6'x13' |
| Pump Size | inch | 8"/6" | 10"/8" | 10"/8" |
| | mm | 200x150 | 250x200 | 250x200 |
| Pump Power | kW | 45 | 55 | 75 |
| | HP | 60 | 74 | 100 |
| **Weight | kg | 7475 | 10900 | 16750 |
| | lbs | 16480 | 24030 | 36927 |

*Capacity values are indicative only, results may vary depending on feed gradation, silt, clay content, density, amount of water used, equipment configuration and application.

**Weights shown include drive motor package, support legs, maintenance platform, inlet and outlet chutes.

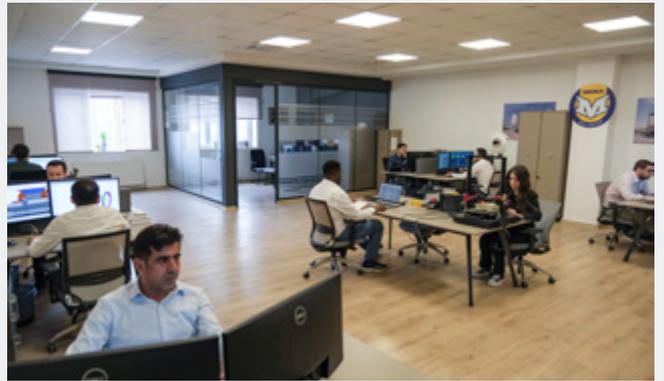
TRUSTED BRAND
IN MORE THAN
38 YEARS



THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: **MEKA**

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.





Reliable Solutions for
Aggregate Production, Mining,
Recycling and Ready Mixed
Concrete Industries



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