



**Smarter
Washing
Solutions**

**COMPACT
SAND PLANT**
Modular Wash Range



A Commitment to washing

Based on unrivalled reputation and geographic reach, McCloskey has become the world leader of delivering Modular, Mobile and Static Washing systems around the globe.

Innovative Product Range

McCloskey has a rich history of innovation, which has seen us lead the industry with many new products in every application.

For 30+ years, our products have gained a reputation for quality, reliability and agility that is second to none.

Deep Industry Knowledge

We pride ourselves on not simply supplying washing equipment, but by supporting customers with a detailed knowledge of their industry and applications, so that products, our service and after sales service are tailored to their specific needs.

This unique approach means that we focus on providing more than just a product, but also a complete solution that adds genuine value to our customers.

Engineering Solutions

Our design team has over 100 years of washing experience in Sand & Aggregates, Waste & Recycling, Mining and Construction sectors. Our application engineering production, technical applications, and R&D team work closely together to design, develop and manufacture bespoke washing solutions.

We have been responsible for many truly ground-breaking products, including the SandStorm™, AggStorm™ and CombiSand™ which ensures we are able to continually meet the ever more stringent requirements of our customers.

Our commitment to Quality & Reliability

We place great emphasis on maintaining international quality standards and our products are approved to CE approval to ensure we meet the highest possible standards for all our products and services.

Our materials are subjected to a wide range of tests as specified by statutory regulations and customer requirements. These approvals enable

our customers to make informed choices as to the suitability of a product for each application.

Our Customer-centric approach

The key to delivering smarter washing equipment is to listen, react and continue to improve relationships with our customer. Following delivery of our highly productive products, our customers benefit from a comprehensive After Sales Service which ensures that our quality service and attention to detail goes beyond machine dispatch. This important service is staffed and resourced to provide fast response times and excellent service.

Global Distribution... Local Support

Our washing equipment is distributed through a global network of McCloskey dealers.

Our selected distribution dealers are strategically located within their territory to deliver the best possible service and products to our customers. This approach means our products and know-how are available to the global industries we serve.

COMPACT SAND PLANT RANGE

CSP 60 / CSP 120 / CSP 200 / CSP 250

Single and Twin Sand Plants

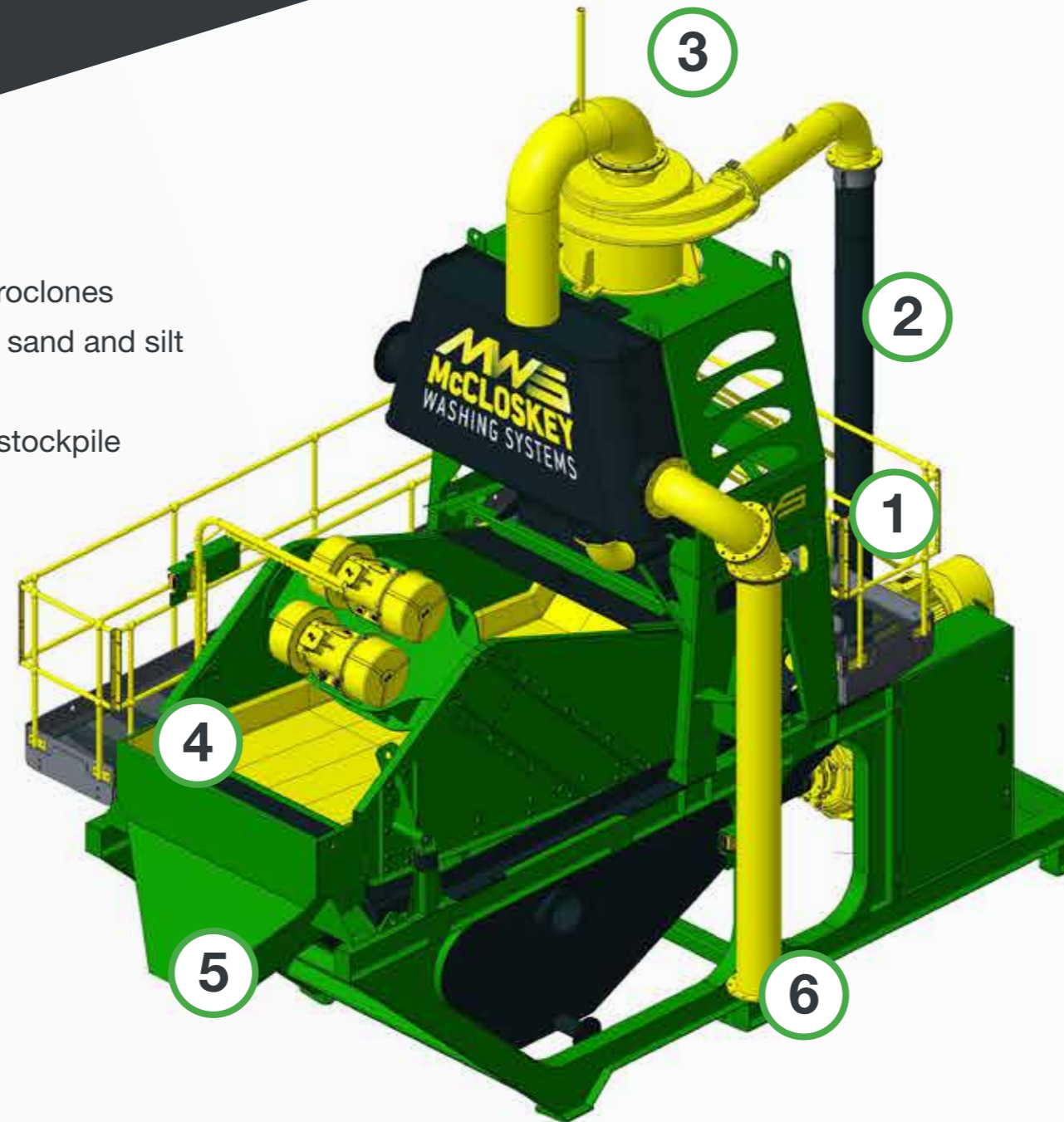
Design Innovation

The McCloskey Compact Sand Plant (CSP) range enables superior separation efficiency from the final washed sand product, producing in-spec sands to your desired grade.

As with all of the McCloskey products, these plants have been designed with absolute focus on the machine operator. In addition to the highest level of quality and performance, significant benefits include simple and fast assembly times, ease of operation, low maintenance and an overall reduced footprint.

Each CSP is individually tailored to suit any application regardless of desired tonnage, from 20tph-250tph, or silt percentage in the feed material. Our engineering and application teams have vast experience in the design, manufacture, installation, start-up, operation and maintenance of these wash plants and as such will ensure your Compact Sand Plant is perfectly suited to your unique application and requirements.

1. Slurry is fed into tank
2. Slurry pumped to hydroclones
3. Hydroclones separate sand and silt
4. Sand is dewatered
5. Washed sand sent to stockpile
6. Waste silts removed



KEY FEATURES

Dimensions & Weights

	CSP 60	CSP 120	CSP 200	CSP 250
Length	5.5m (18' 1")	6.6m (21' 8")	7.2m (23' 8")	7.8m (25' 6")
Width	3.2 (10' 6")	3.8m (12' 6")	4.2m (13' 9")	4.5m (14' 8")
Height	5m (16' 5")	6.8m (22' 4")	7m (23')	7m (23')
US TPH	66	132	220	274
M TPH	60	120	200	250

- Superior separation efficiency
- Low running and maintenance costs
- Low energy required. Small footprint
- All wear areas rubber lined
- Underflow rubber lined slurry pump
- One rubber lined hydrocyclone
- Fully galvanised walkways and access stairs
- Safety shutdown systems

OPTIONS

- Boiler box for dry feed
- Electrical control panel
- Spraybars
- Stackers
- Handrails painted
- Weather proof control panel

APPLICATIONS

- Sand & Aggregates
- Industrial Sands
- C&D Waste Recycling

TECHNICAL DATA

Designed for Maximum Performance

HYDROCYCLONES

- Hydrocyclones produce highly accurate separation of silts and clays from the final washed sand product
- Pump to hydrocyclone delivery system fully rubber lined ensuring maximum wear resistance

WALKWAYS

- Galvanised walkways & access steps
- 30 inch (760mm) wide walkways
- Side and back of screen walkways for maintenance

MAIN TANK

- Access hatch
- Self regulating
- LH/RH Drain valve
- Anti turbulence cell
- Large access hatch for maintenance

DEWATERING SCREEN

- Dual and single sand options up to 250TPH
- Dewatered sand is discharged ready for market
- Twin vibrating motors with adjustable throw
- 200mm high Polyurethane side liners
- Fitted with Polyurethane modules

SCREEN SIZES

- 3m x 1.2m (10ft x 4ft)
- 3.6m x 1.5m (12ft x 5ft)
- 4.2m x 1.8m (14ft x 6ft)
- 4.2m x 2.1m (14ft x 7ft)

CHUTE

- Wear lined discharge chute

CONTROL PANEL (OPTIONAL)

- IP65 Weather resistant enclosure
- LED/Strip lighting

CHASIS

- Raised modular chasis for ease of cleaning

COMPACT SAND PLANT

MAXIMUM POWER REQUIREMENT

	60		120			200			250			
	ONE SAND	TWO SAND	ONE SAND	TWO SAND	ONE SAND	TWO SAND	ONE SAND	TWO SAND	ONE SAND	TWO SAND		
Total kW	23.9	27.9	44	51	61.6	76.6	93.4	93.4				
Total HP	31.8	37.2	58.7	68.0	82.1	102.1	124.5	124.5				
Pump kW	18.5	15	7.5	30	22	15	45	30	30	75	45	30
Pump HP	24.7	20	10	40	29.3	20	60	40	40	100	60	40
Dewatering Screen kW	2 off 2.69	2 off 2.69	2 off 4.5	2 off 4.5	2 off 8.3	2 off 8.3	2 off 9.2	2 off 9.2				
Dewatering Screen HP	2 off 3.6	2 off 3.6	2 off 6	2 off 6	2 off 11	2 off 11	2 off 12	2 off 12				

AVERAGE WATER REQUIREMENT

	60	120	200	250
M3/h	150	150	300	300
Litres/min	2500	2500	5000	5000
US GPM	660	660	1321	1321



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