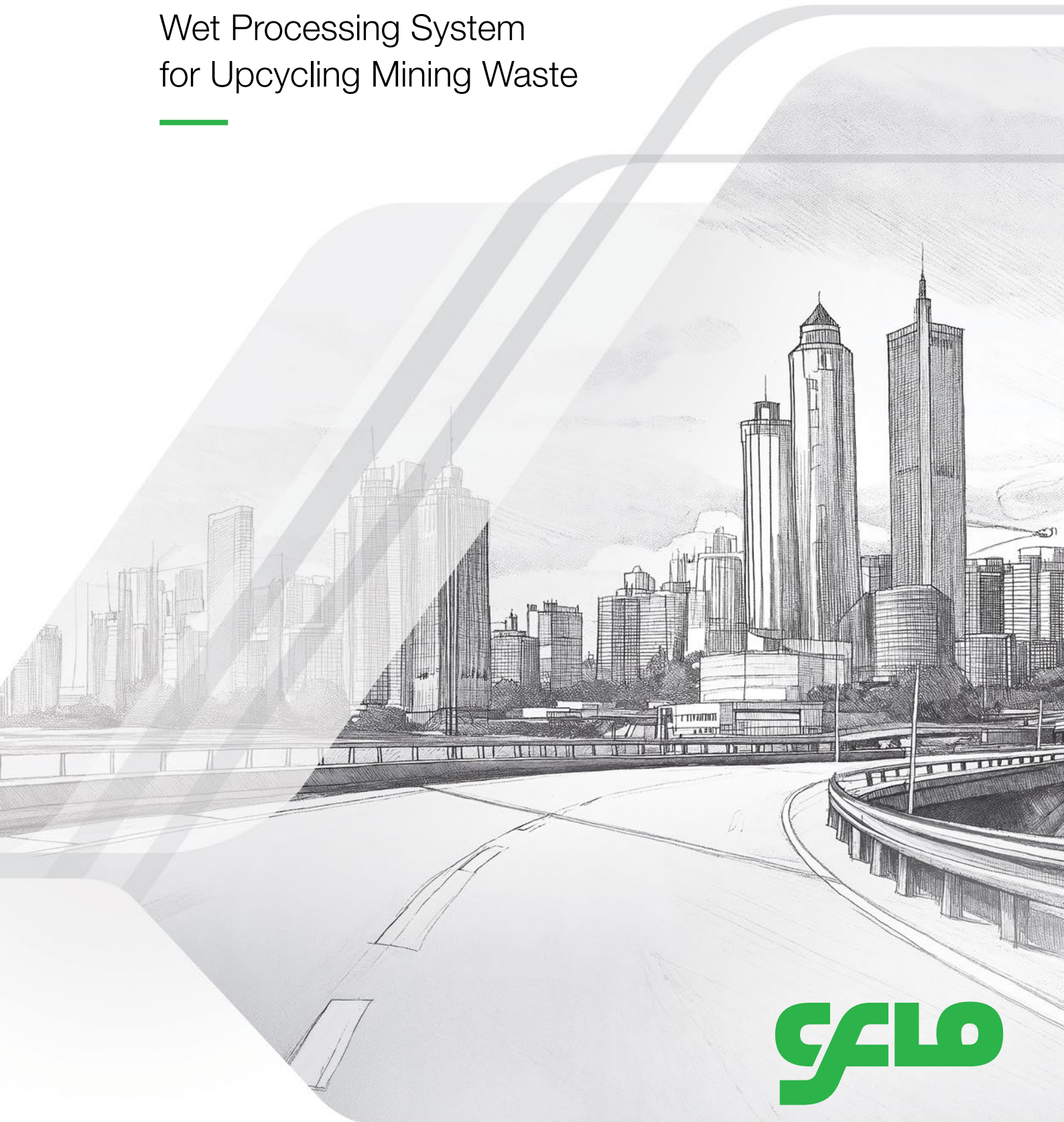


Combo

Wet Processing System
for Upcycling Mining Waste





Upcycling Mining Waste

Producing engineered sand from mining waste and other sustainable feedstocks.

Material Repurposed

Crushed Rock Fines | Mining Overburden

Dredged Material from Desilting | Limestone Rejects

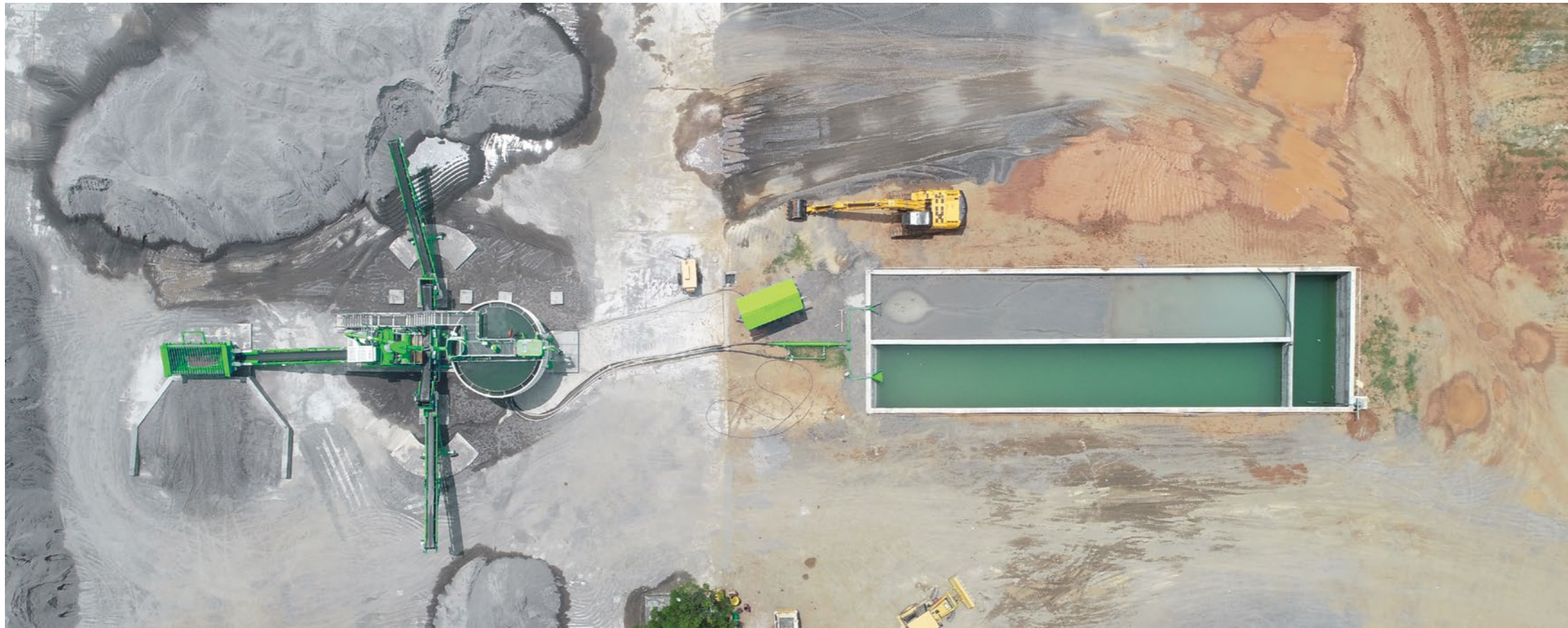
Off-shore Sand | Beach Sand



CONCRETE SAND



PLASTER SAND



All-in-one Machine

Patented 7-functions on a single chassis (cleans, grades, recycles 95% water & sludge management in 1 machine)

Energy efficient - 30% power saving

Compact - Significantly lower land requirement compared to traditional plants

Zero Liquid Discharge Technology

No loss of sand during processing

Silt recovered as by-product for conversion to bricks

Non polluting

- Zero liquid discharge
- Zero dust
- Noise level below 80db



Ready, Set, Go...

Complete supply
Just connect power, water and civil pads

Start-up in less than 2 weeks

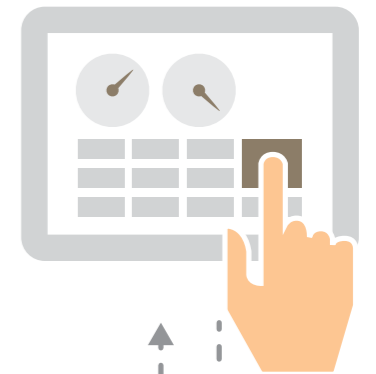
Portable mobile design
Easy to relocate

We Save 95% Water

95% water recycling across all models

100 billion litres of water saved every year

Keeps your Combo Software up-to-date for optimum performance



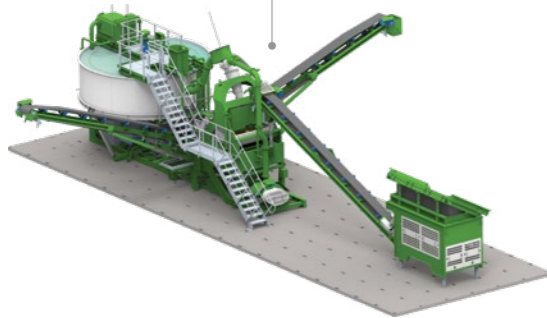
Enables contact-free troubleshooting

*Features available in International Variant only

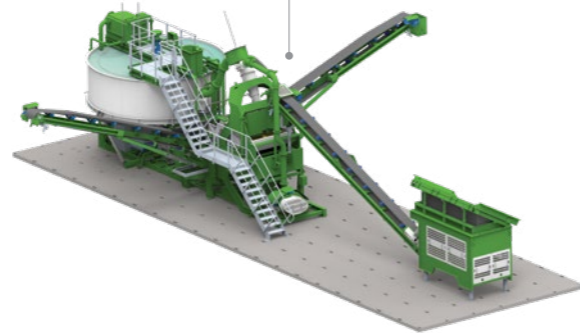
The Combo

Patented
Technology

45~50 tph
Combo X50



70~100 tph
Combo X70



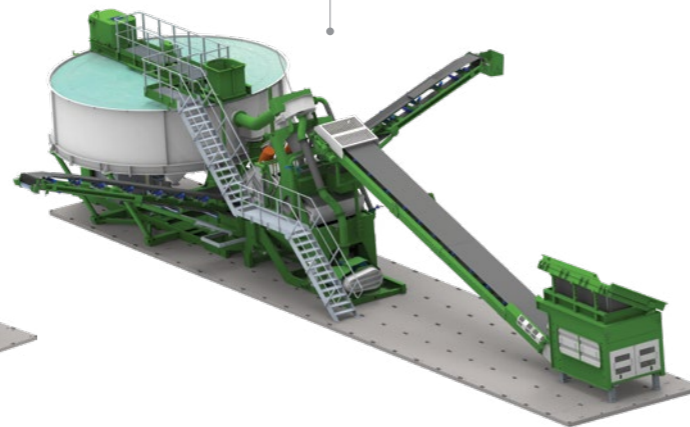
80~90 tph
Combo Turbo D90



120~140 tph
Combo X120



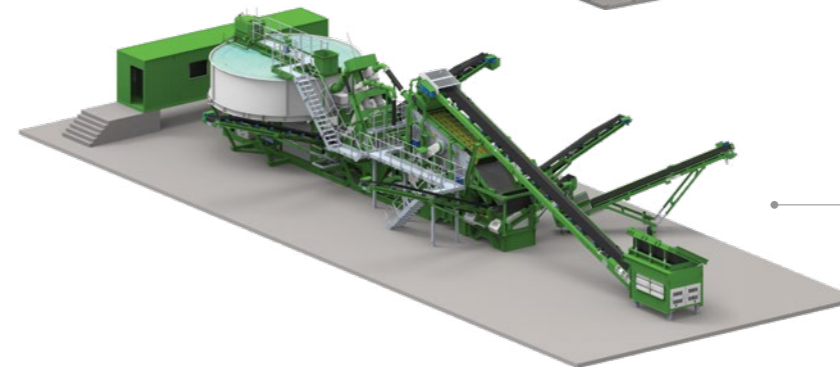
150~180 tph
Combo X150



100~120 tph
Combo Alpha



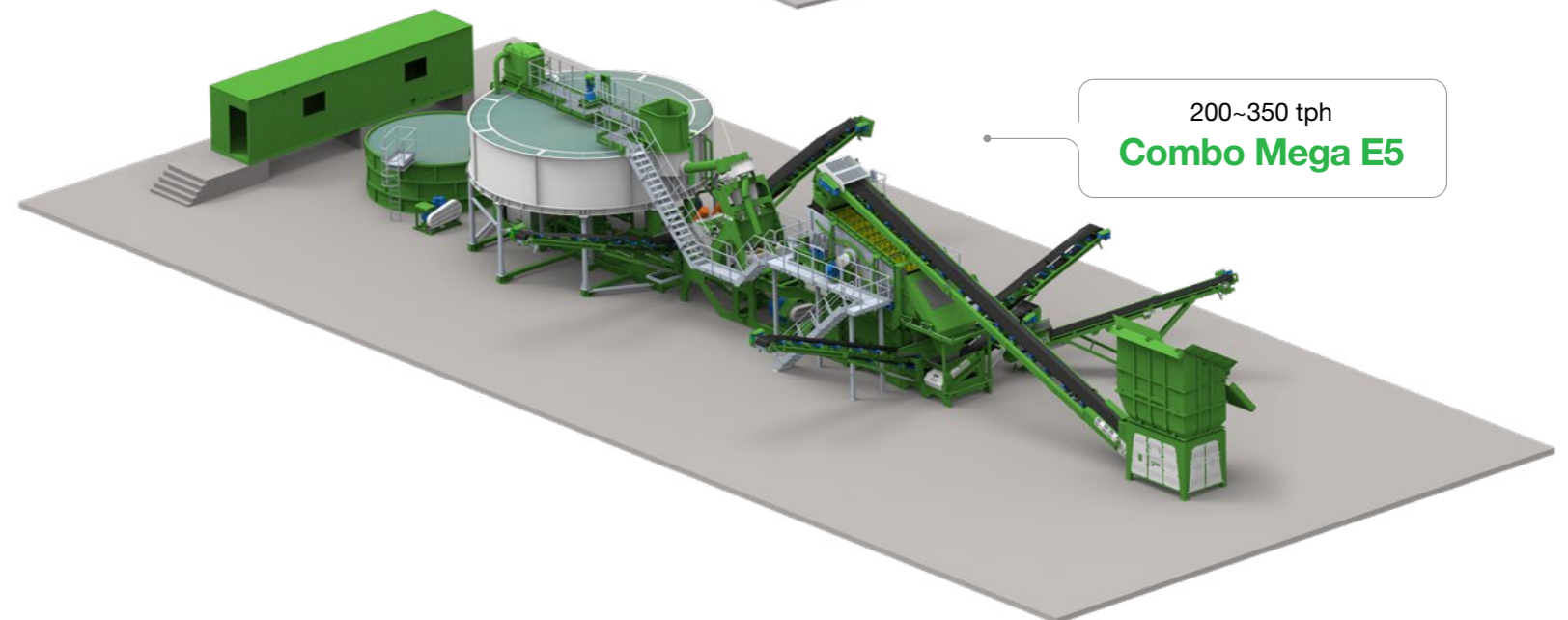
100~200 tph
Combo Multi E5



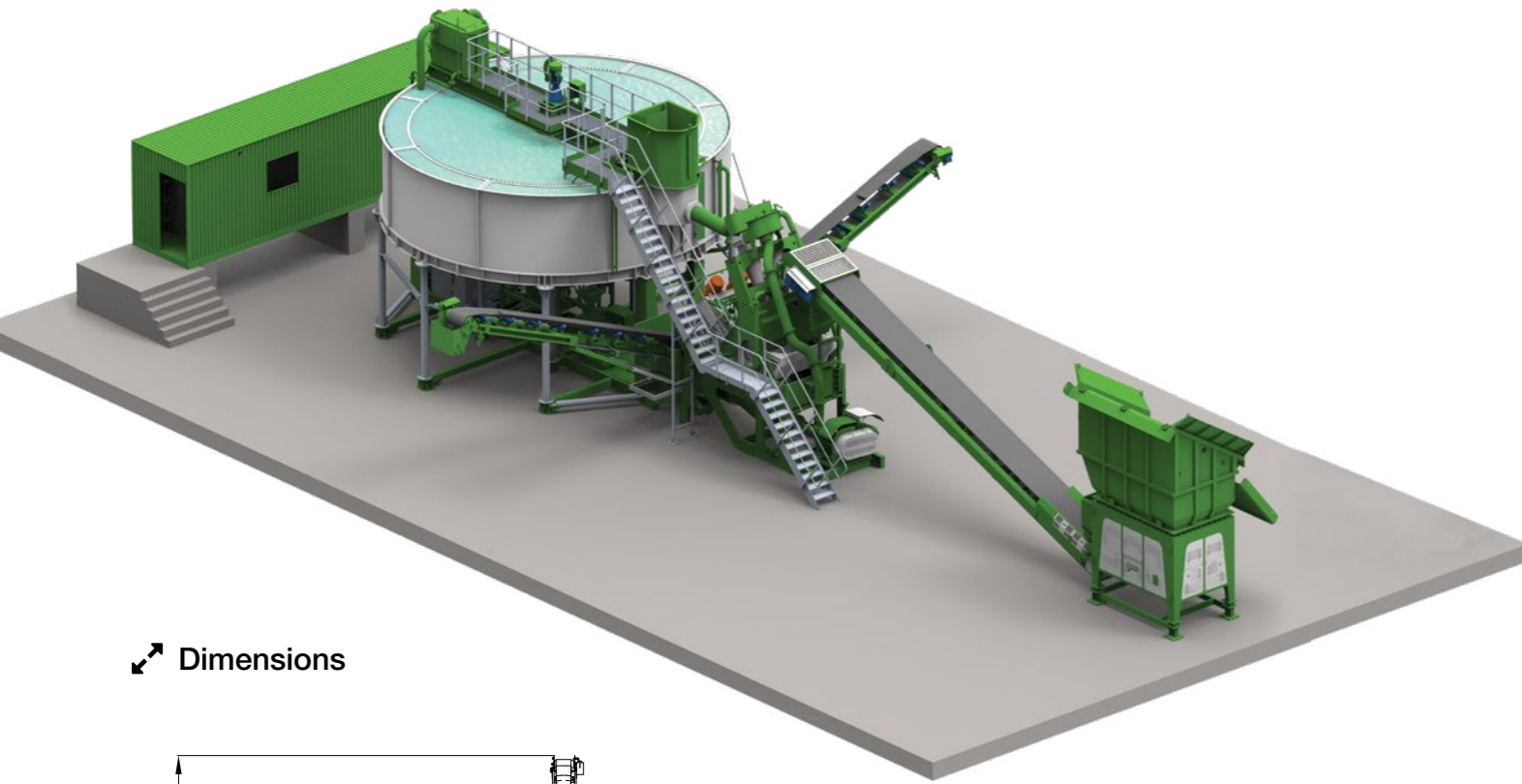
220~250 tph
Combo X220



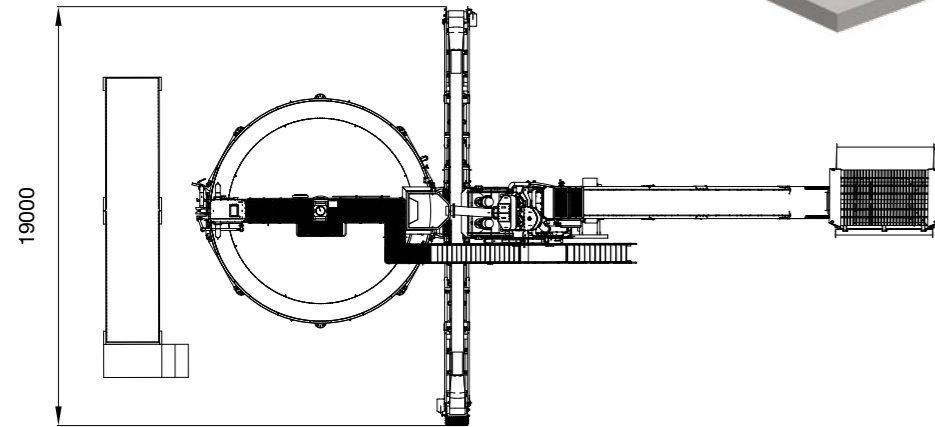
200~350 tph
Combo Mega E5



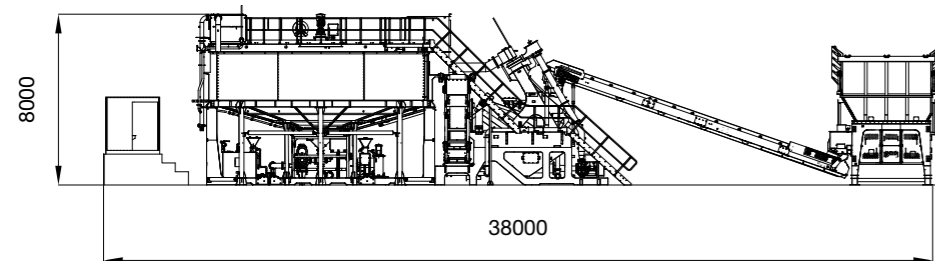
Combo X220



Dimensions



PLAN



ELEVATION

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

Feed Capacity#	220-250tph
Number of Products	2
Recommended Feed Size (typical)	Minus 5mm
Maximum Silt Content (<75Microns) in Feed	10-15%
Moisture in Sand Product	10-12%
Power Requirement	~230kW
Water Requirement	36-42m ³ /hr
Plant Footprint	38 x 19 meters

STANDARD FEATURES

Feedmax: Feed Hopper with Protection Grid	✓
Centrimax: High-Performance Hydrocyclone Separator	✓
Hydromax: Water Recycling System (WRS)	✓
Carrymax: Feed and Stockpile Conveyors	3
Soil Bay Manager	✓
Galvanised Walkway & Access Stairs for Durability	✓
Upgraded Tungsten Tip Belt Scraper	✓
Adjustment Option on Discharge Point	✓
Mixing Device on One Product Conveyor	✓
PLC Control Panel with Colour Touchscreen	✓
Panel Door-Open Warning Feature	✓
Screened Soil Discharge Pipework upto 50m Distance	✓
Two-Pack Paint System for Surface Protection	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓
Set of Commissioning Spares & Maintenance Tools	✓
Erection & Commissioning Assistance (Supervision only)	✓
Civil Design Assistance	✓
Operator Training/Certification	✓
Operation & Maintenance e-Manual (in English)	✓
Test Work for Sludge to Bricks	Optional
Superblu Dosing add-on for pH Conditioning	Optional
Annual Maintenance Contract (AMC) Pack*	Optional

Standard capacity may vary with feed gradation

* Details provided upon request

Transport Plan:
14 X 40ft HCOT
Container

Combo X220

Hydromax:
Water Recycling System (WRS)

Centrimax:
High-Performance Hydrocyclone Separator

PLC Control Panel

Carrymax: Wing Stockpile Conveyor

Carrymax: Feed Conveyor

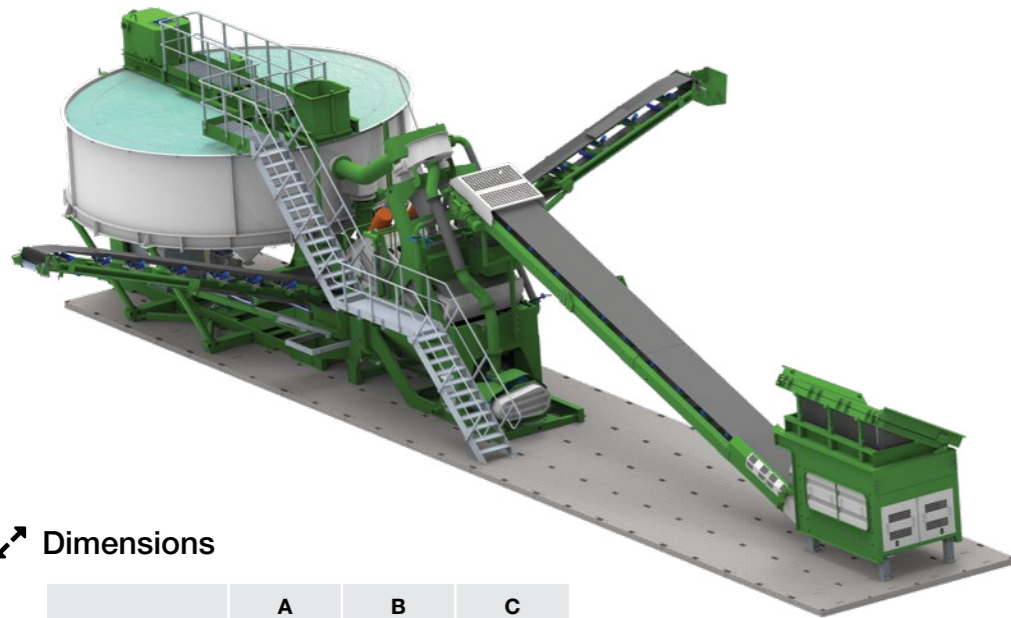
Feedmax: Feed Hopper
with protection grid

Carrymax:
Wing Stockpile Conveyor

Full Accessibility

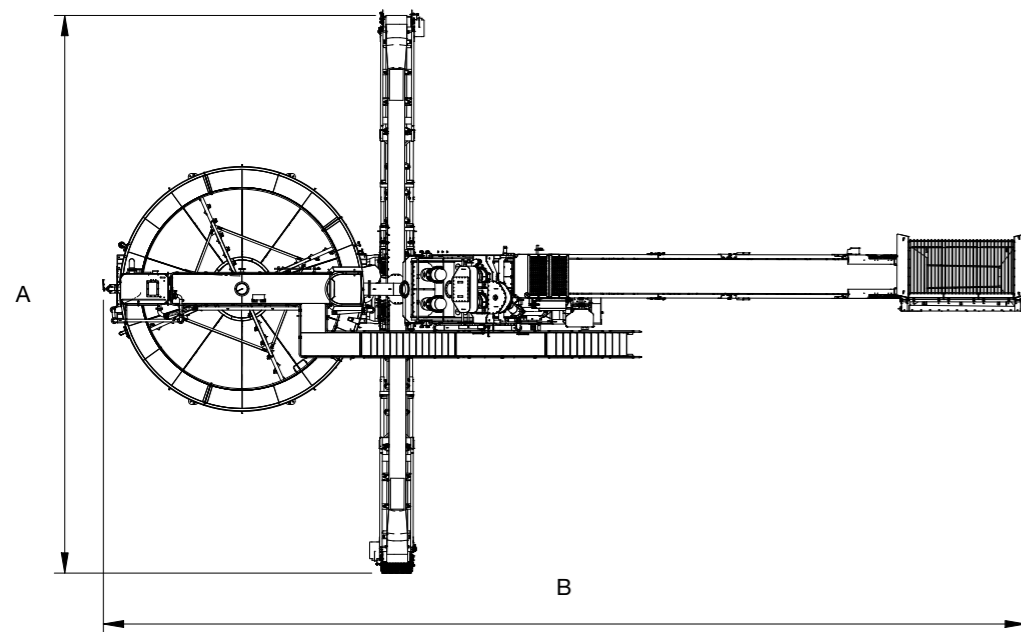


Combo X150



Dimensions

	A	B	C
Combo X150	19000	32000	7300
Combo X120	19000	28000	6500



PLAN

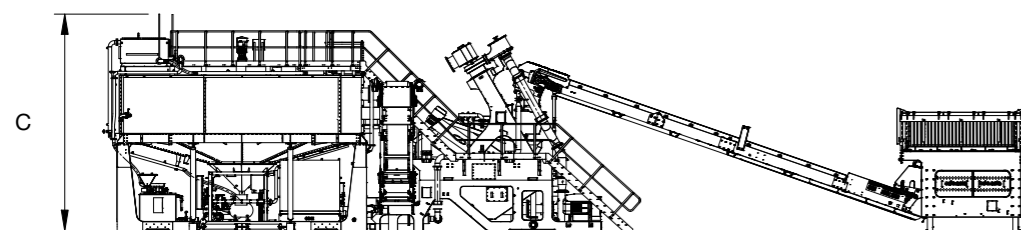


Illustration shown: Combo X150

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	Combo X150	Combo X120
Feed Capacity#	150-180tph	120-140tph
Number of Products	2	2
Recommended Feed Size (typical)	Minus 5mm	Minus 5mm
Maximum Silt Content (<75Microns) in Feed	10-15%	10-15%
Moisture in Sand Product	10-12%	10-12%
Power Requirement	~175kW	~143kW
Water Requirement	19-25m³/hr	13-19m³/hr
Plant Footprint	32 x 19 meters	28 x 19 meters

STANDARD FEATURES

Feedmax: Feed Hopper with Protection Grid	✓	✓
Centrimax: High-Performance Hydrocyclone Separator	✓	✓
Hydromax: Water Recycling System (WRS)	✓	✓
Carrymax: Feed and Stockpile Conveyors	3	3
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Upgraded Tungsten Tip Belt Scraper	✓	✓
Adjustment Option on Discharge Point	✓	✓
Mixing Device on One Product Conveyor	✓	✓
PLC Control Panel with Colour Touchscreen	✓	✓
Panel Door-Open Warning Feature	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Two-Pack Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Test Work for Sludge to Bricks	Optional	Optional
Superblu Dosing add-on for pH Conditioning	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional

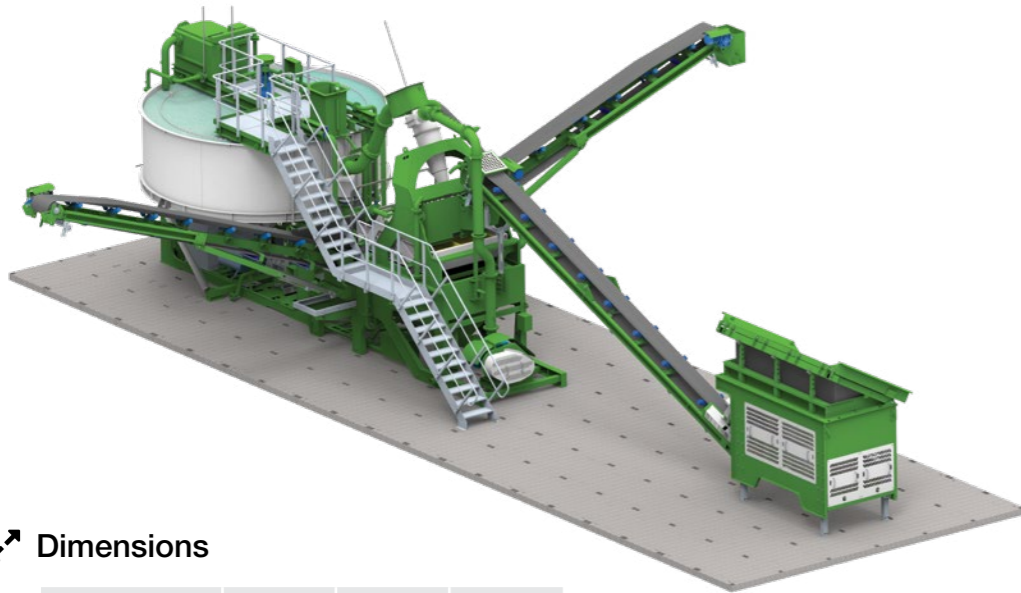
Standard capacity may vary with feed gradation

* Details provided upon request

Transport Plan:
10 X 40ft HCOT
Container

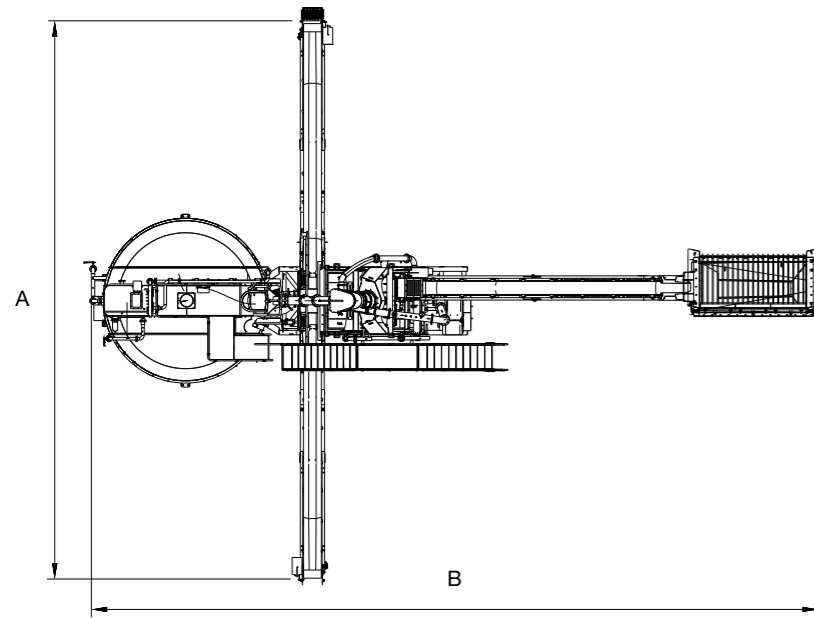
Transport Plan:
10 X 40ft HCOT
Container

Combo X70

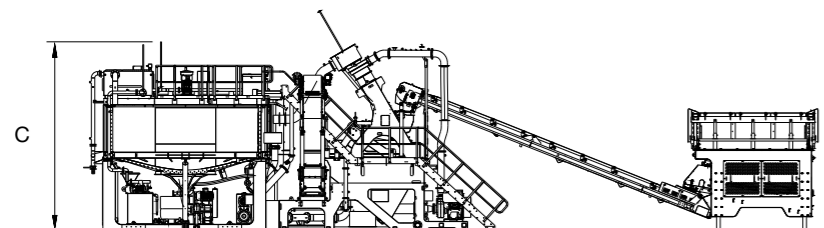


Dimensions

Plants	A	B	C
Combo X70	19000	27000	6500
Combo X50	19000	25000	6500



PLAN



ELEVATION

Illustration shown: Combo X70

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	Combo X70	Combo X50
Feed Capacity#	70-100tph	45-50tph
Number of Products	2	2
Recommended Feed Size (typical)	Minus 5mm	Minus 5mm
Maximum Silt Content (<75Microns) in Feed	10-15%	10-15%
Moisture in Sand Product	10-12%	10-12%
Power Requirement	~92kW	~75kW
Water Requirement	9-13m ³ /hr	7-9m ³ /hr
Plant Footprint	27 x 19 meters	25 x 19 meters

STANDARD FEATURES

Feedmax: Feed Hopper with Protection Grid	✓	✓
Centrimax: High-Performance Hydrocyclone Separator	✓	✓
Hydromax: Water Recycling System (WRS)	✓	✓
Carrymax: Feed and Stockpile Conveyors	3	3
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Upgraded Tungsten Tip Belt Scraper	✓	✓
Adjustment Option on Discharge Point	✓	✓
Mixing Device on One Product Conveyor	✓	✓
PLC Control Panel with Colour Touchscreen	✓	✓
Panel Door-Open Warning Feature	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Two-Pack Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Test Work for Sludge to Bricks	Optional	Optional
Superblu Dosing add-on for pH Conditioning	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional

Standard capacity may vary with feed gradation

* Details provided upon request

Transport Plan:
7 X 40ft HCOT
Container

Transport Plan:
6 X 40ft HCOT
Container

Combo X70

Hydromax:
Water Recycling System (WRS)

Centrimax:
High-Performance Hydrocyclone Separator

Carrymax: Wing Stockpile Conveyor

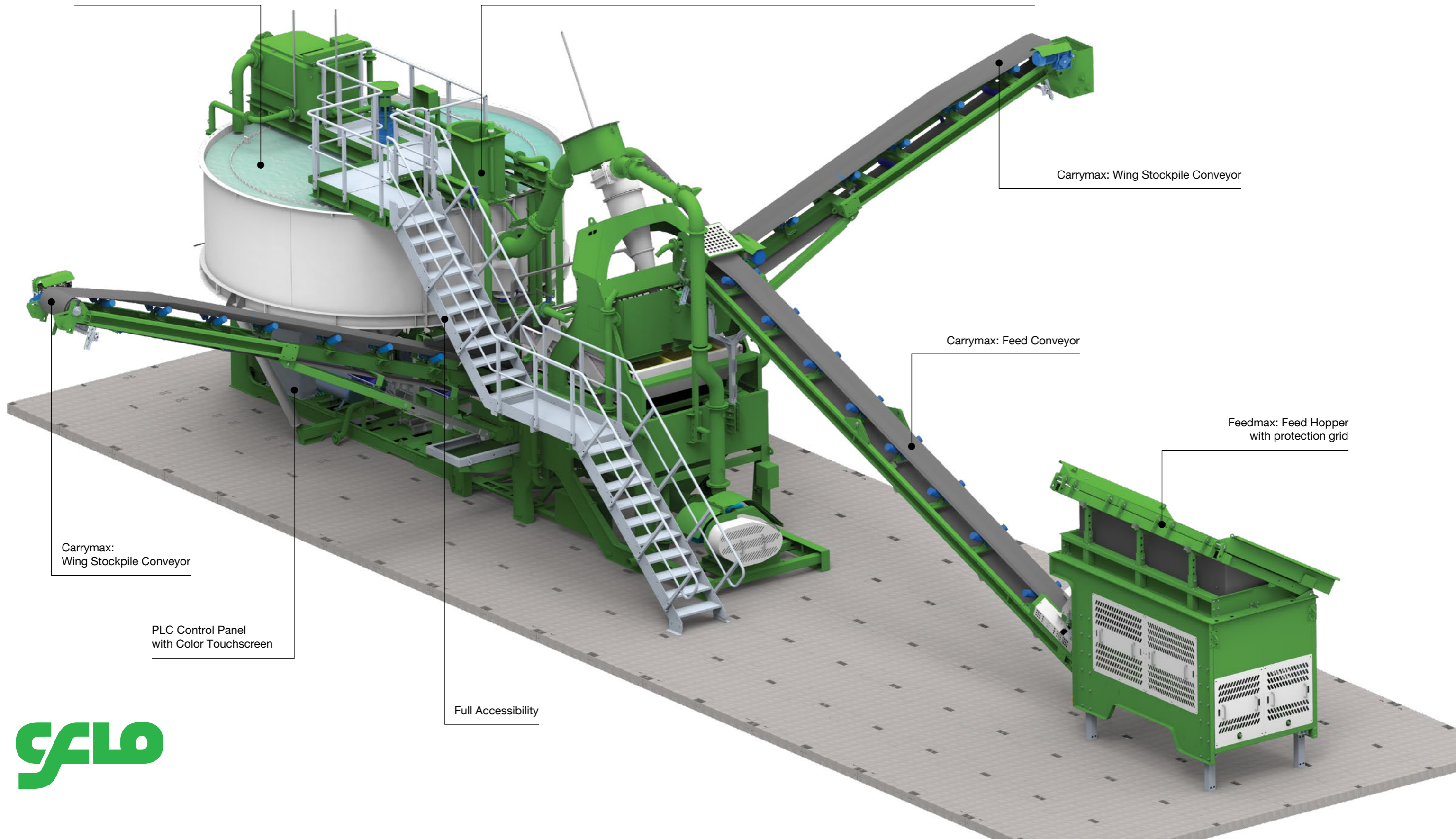
Carrymax: Feed Conveyor

Feedmax: Feed Hopper
with protection grid

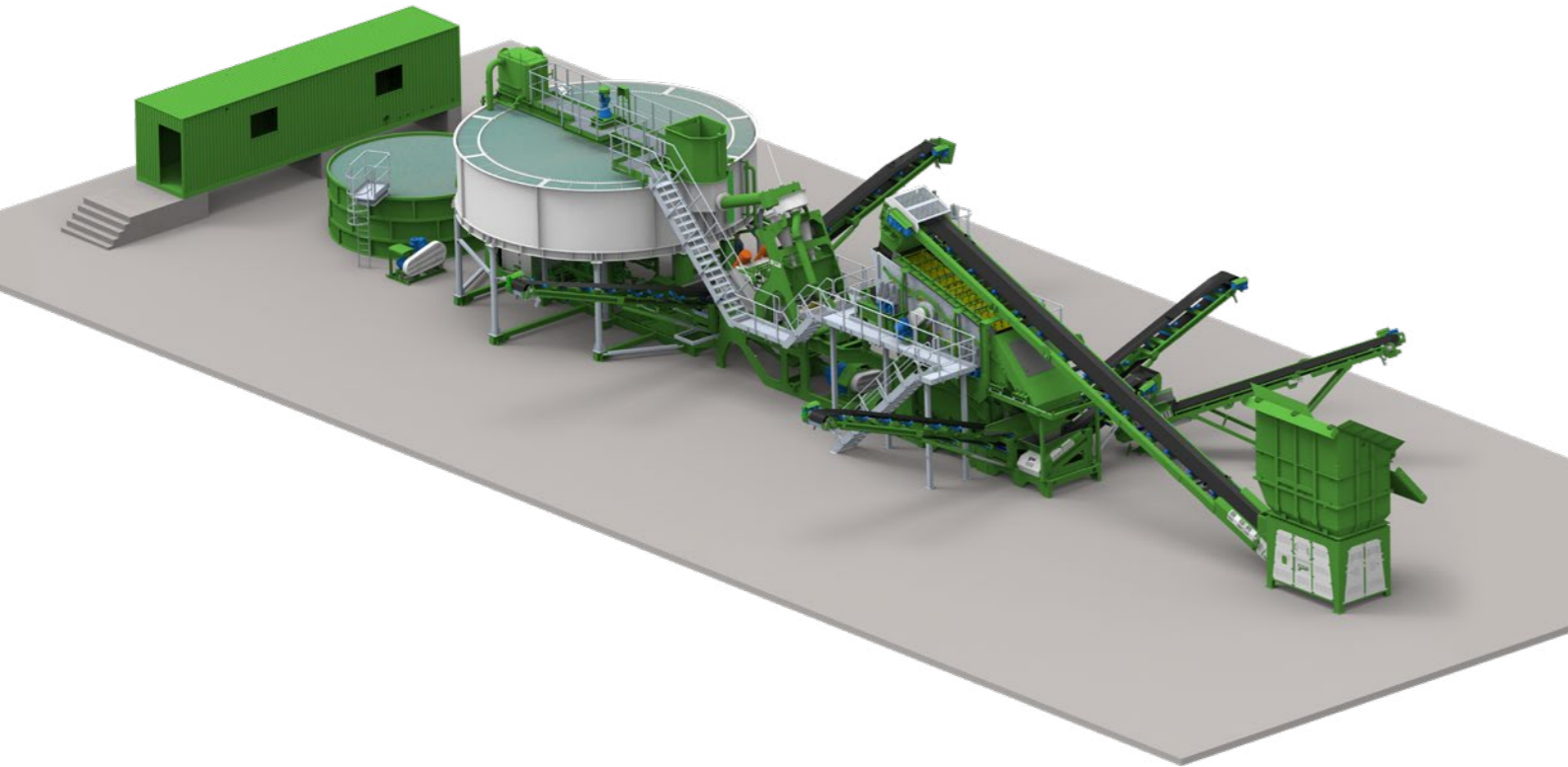
Carrymax:
Wing Stockpile Conveyor

PLC Control Panel
with Color Touchscreen

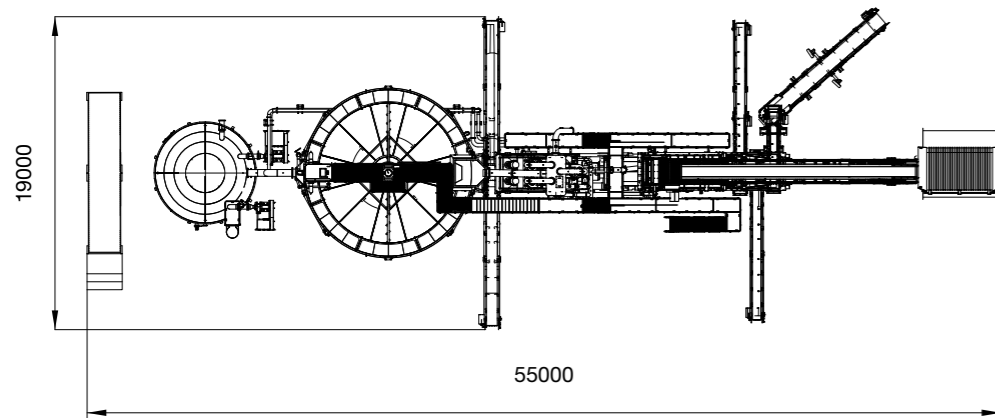
Full Accessibility



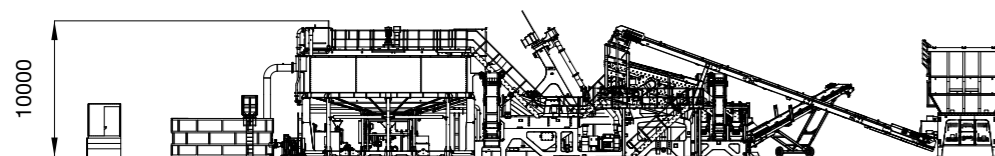
Combo Mega



Dimensions



PLAN



ELEVATION

Illustration shown: Combo Mega E5

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	Mega E5	Mega E4
Feed Capacity#	200-350 tph	200 -350 tph
Number of Products	5	4
Recommended Feed Size (typical)	Minus 40mm	Minus 40mm
Maximum Silt Content (<75Microns) in Feed	10-15%	10-15%
Moisture in Sand Product	10-12%	10-12%
Power Requirement	~416kW	~405kW
Water Requirement	30-50m ³ /hr	30-50m ³ /hr
Plant Footprint	55 x 19 meters	55 x 19 meters

STANDARD FEATURES

Turbo Dual Wash Technology	✓	✓
Feedmax: Feed Hopper with Protection Grid	✓	✓
Screenmax: Triple/Double-Deck Circular Motion Rinsing Screen	✓	✓
Centrimax: High-Performance Hydrocyclone Separator	✓	✓
Hydromax: Water Recycling System (WRS)	✓	✓
Carrymax: Feed and Stockpile Conveyors	6	5
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Upgraded Tungsten Tip Belt Scraper	✓	✓
Adjustment Option on Discharge Point	✓	✓
Hydrostore: Water Storage & Pumping Station	✓	✓
PLC Control Panel with Colour Touchscreen Housed in an Enclosure	✓	✓
Panel Door-Open Warning Feature	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Two-Pack Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Test Work for Sludge to Bricks	Optional	Optional
Superblu Dosing add-on for pH Conditioning	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional

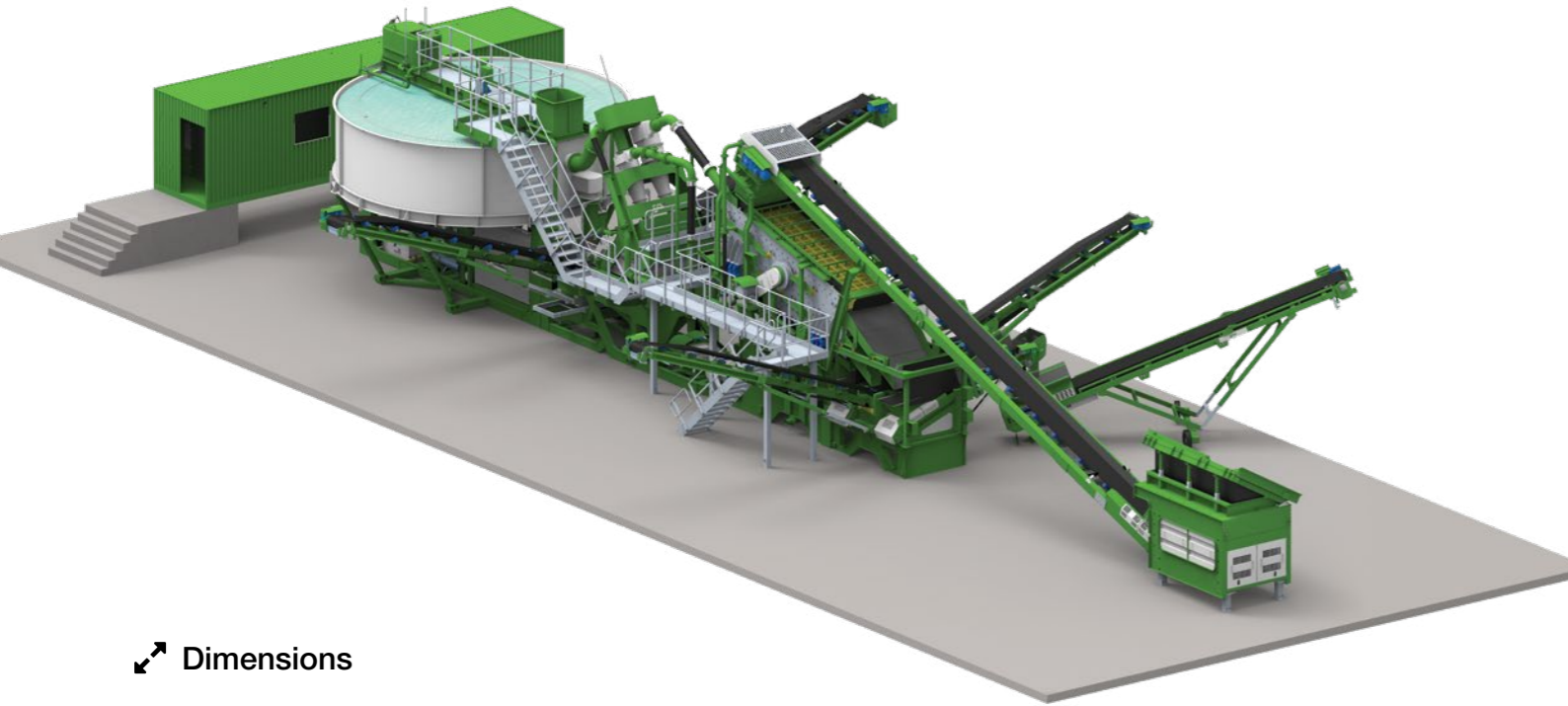
Standard capacity may vary with feed gradation

* Details provided upon request

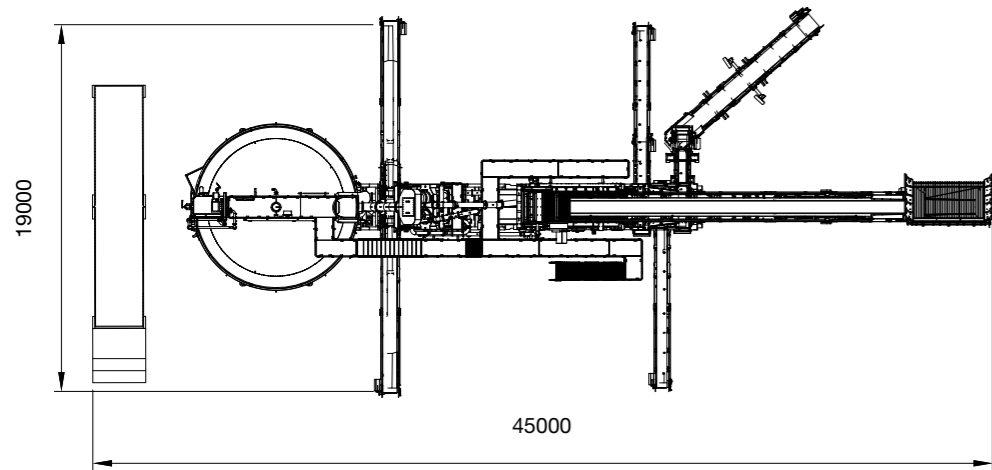
Transport Plan:
21 X 40ft HCOT
Container

Transport Plan:
20 X 40ft HCOT
Container

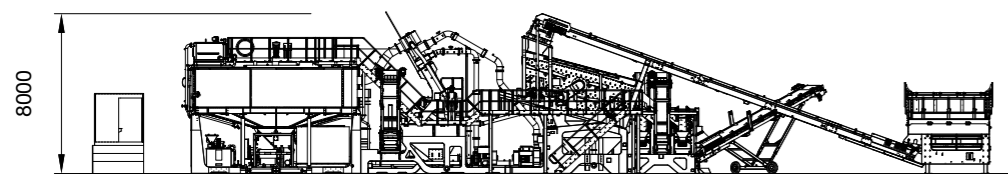
Combo Multi



Dimensions



PLAN



ELEVATION

Illustration shown: Combo Multi E5

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	Multi E5	Multi E4
Feed Capacity#	100-200 tph	100 -200tph
Number of Products	5	4
Recommended Feed Size (typical)	Minus 40mm	Minus 40mm
Maximum Silt Content (<75Microns) in Feed	10-15%	10-15%
Moisture in Sand Product	10-12%	10-12%
Power Requirement	~250kW	~240kW
Water Requirement	15-30m ³ /hr	15-30m ³ /hr
Plant Footprint	45 x 19 meters	45 x 19 meters

STANDARD FEATURES

Turbo Dual Wash Technology	✓	✓
Feedmax: Feed Hopper with Protection Grid	✓	✓
Screenmax: Double/Triple-Deck Circular Motion Rinsing Screen	✓	✓
Centrimax: High-Performance Hydrocyclone Separator	✓	✓
Hydromax: Water Recycling System (WRS)	✓	✓
Carrymax: Feed and Stockpile Conveyors	6	5
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Upgraded Tungsten Tip Belt Scraper	✓	✓
Adjustment Option on Discharge Point	✓	✓
PLC Control Panel with Colour Touchscreen	✓	✓
Panel Door-Open Warning Feature	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Two-Pack Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Test Work for Sludge to Bricks	Optional	Optional
Superblu Dosing add-on for pH Conditioning	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional

Standard capacity may vary with feed gradation

* Details provided upon request

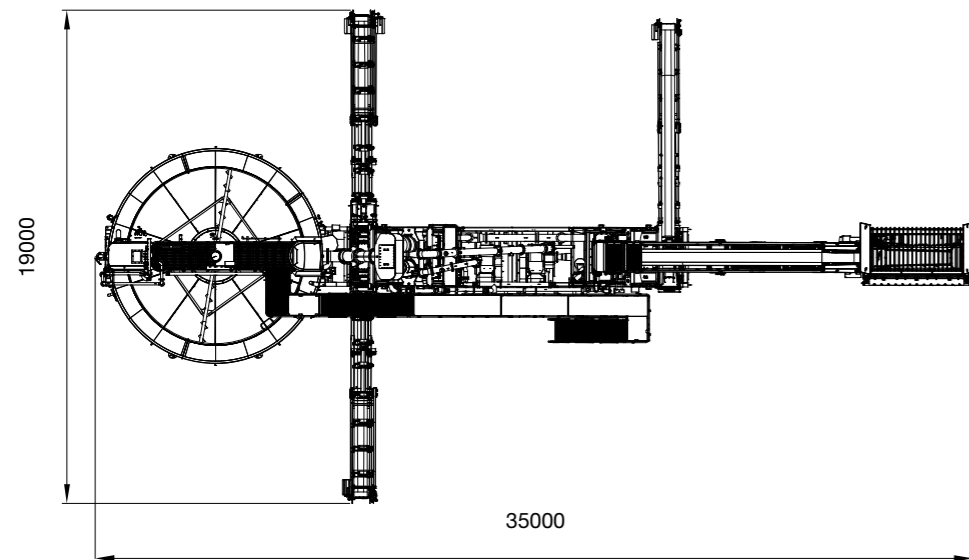
Transport Plan:
16 X 40ft HCOT
Container

Transport Plan:
15 X 40ft HCOT
Container

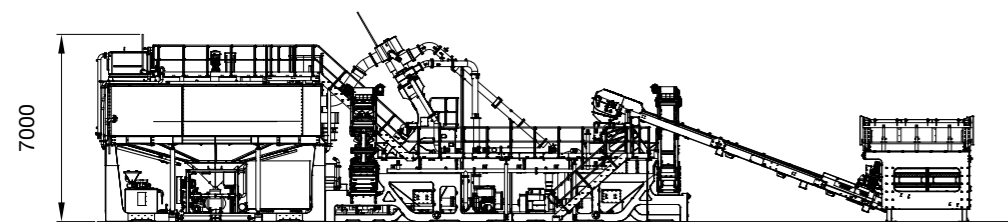
Combo Alpha



Dimensions



PLAN



ELEVATION

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

Feed Capacity#	100-120 tph
Number of Products	3
Recommended Feed Size (typical)	Minus 10mm
Maximum Silt Content (<75Microns) in Feed	20-25%
Moisture in Sand Product	10-12%
Power Requirement	~177kW
Water Requirement	15-21m ³ /hr
Plant Footprint	35 x 19 meters

STANDARD FEATURES

Turbo Dual Wash Technology	✓
Feedmax: Feed Hopper with Protection Grid	✓
Screenmax: Linear Motion Rinsing Screen for oversize removal	✓
Centrimax: High-Performance Hydrocyclone Separator	✓
Hydromax: Water Recycling System (WRS)	✓
Carrymax: Feed and Stockpile Conveyors	4
Soil Bay Manager	✓
Galvanised Walkway & Access Stairs for Durability	✓
Upgraded Tungsten Tip Belt Scraper	✓
Adjustment Option on Discharge Point	✓
Mixing Device on One Product Conveyor	✓
Hydrostore: Water Storage & Pumping Station	✓
PLC Control Panel with Colour Touchscreen	✓
Panel Door-Open Warning Feature	✓
Screened Soil Discharge Pipework upto 50m Distance	✓
Two-Pack Paint System for Surface Protection	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓
Set of Commissioning Spares & Maintenance Tools	✓
Erection & Commissioning Assistance (Supervision only)	✓
Civil Design Assistance	✓
Operator Training/Certification	✓
Operation & Maintenance e-Manual (in English)	✓
Test Work for Sludge to Bricks	Optional
Superblu Dosing add-on for pH Conditioning	Optional
Annual Maintenance Contract (AMC) Pack*	Optional

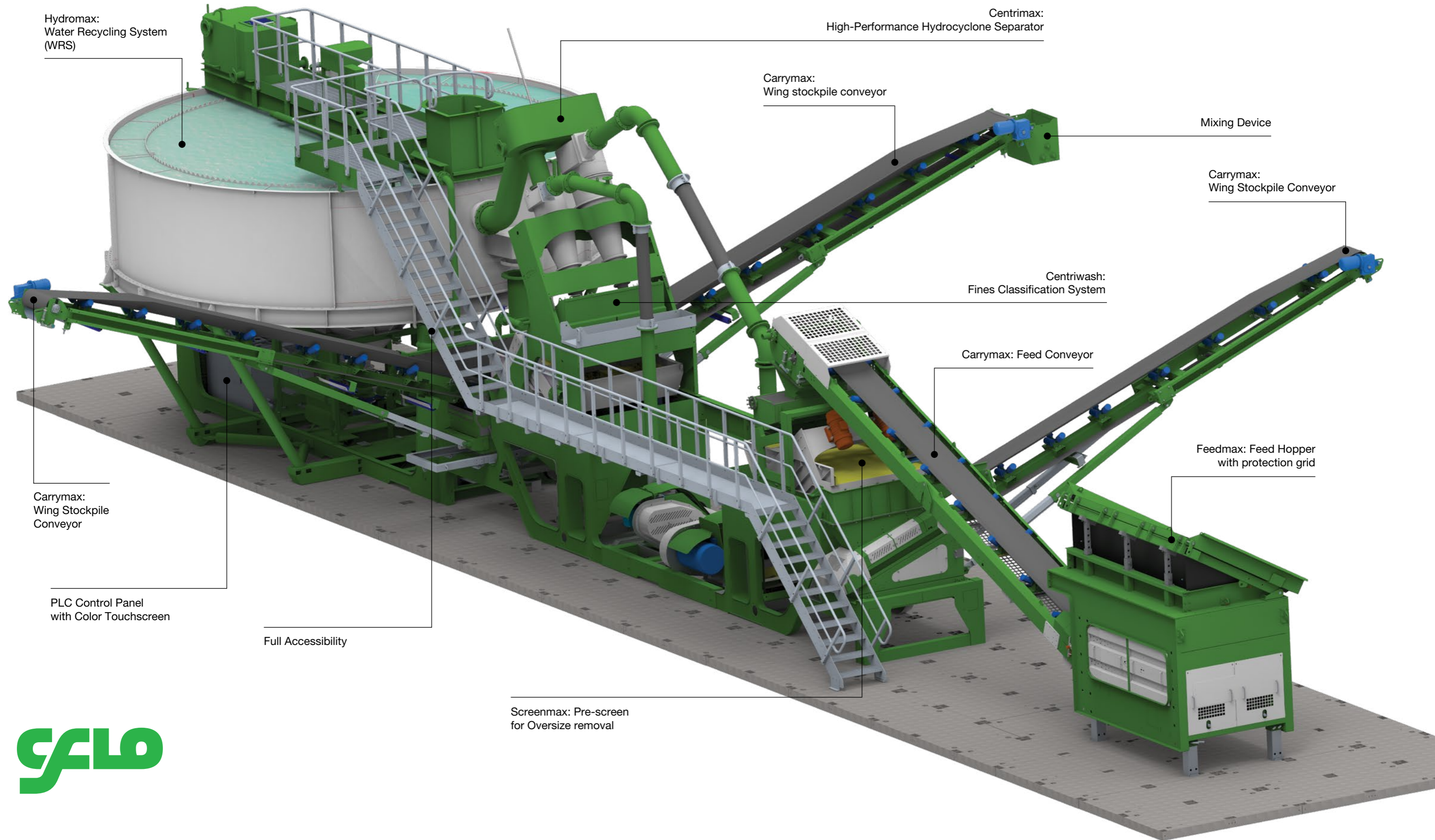
Standard capacity may vary with feed gradation

* Details provided upon request

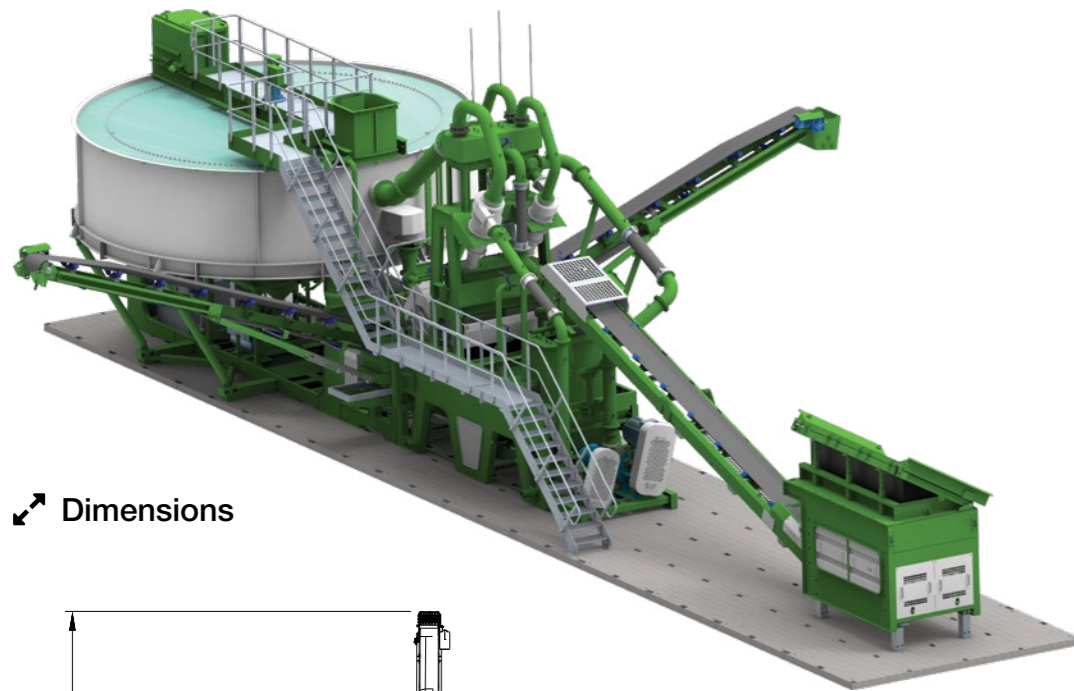
Transport Plan:
11 X 40ft HCOT
Container

Combo Alpha

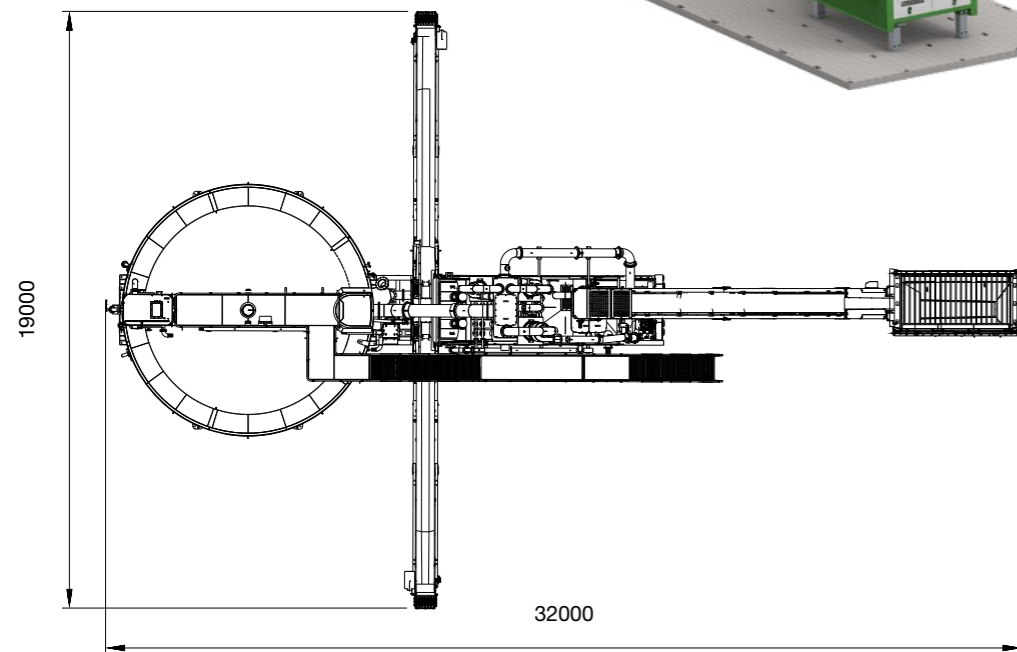
The
Plaster Sand
Specialist



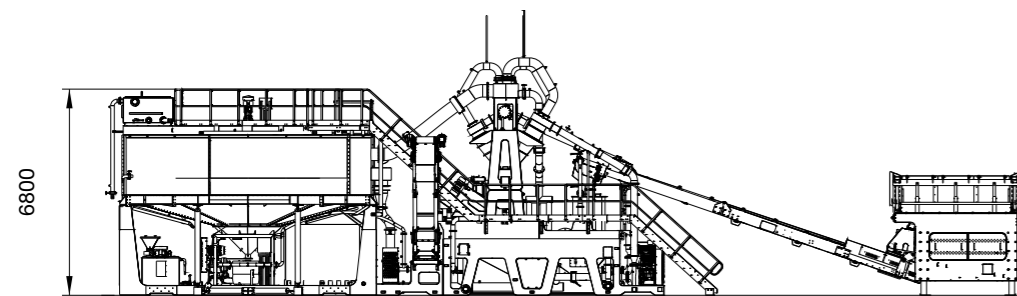
Combo Turbo



Dimensions



PLAN



ELEVATION

Illustration shown: Combo Turbo D90

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	Combo Turbo D90	Combo Turbo D50
Feed Capacity#	80-90 tph	40-50 tph
Number of Products	2	2
Recommended Feed Size (typical)	Minus 5mm	Minus 5mm
Maximum Silt Content (<75Microns) in Feed	20-25%	20-25%
Moisture in Sand Product	10-12%	10-12%
Power Requirement	~148kW	~110kW
Water Requirement	11-17m ³ /hr	8-11m ³ /hr
Plant Footprint	32 x 19 meters	30 x 19 meters

STANDARD FEATURES

Turbo Dual Wash Technology	✓	✓
Feedmax: Feed Hopper with Protection Grid	✓	✓
Centrimax: High-Performance Hydrocyclone Separator	✓	✓
Hydromax: Water Recycling System (WRS)	✓	✓
Carrymax: Feed and Stockpile Conveyors	3	3
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Upgraded Tungsten Tip Belt Scraper	✓	✓
Adjustment Option on Discharge Point	✓	✓
Mixing Device on One Product Conveyor	✓	✓
PLC Control Panel with Colour Touchscreen	✓	✓
Panel Door-Open Warning Feature	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Two-Pack Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Test Work for Sludge to Bricks	Optional	Optional
Superblu Dosing add-on for pH Conditioning	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional

Standard capacity may vary with feed gradation

* Details provided upon request

Transport Plan:
8 X 40ft HCOT
Container

Transport Plan:
7 X 40ft HCOT
Container

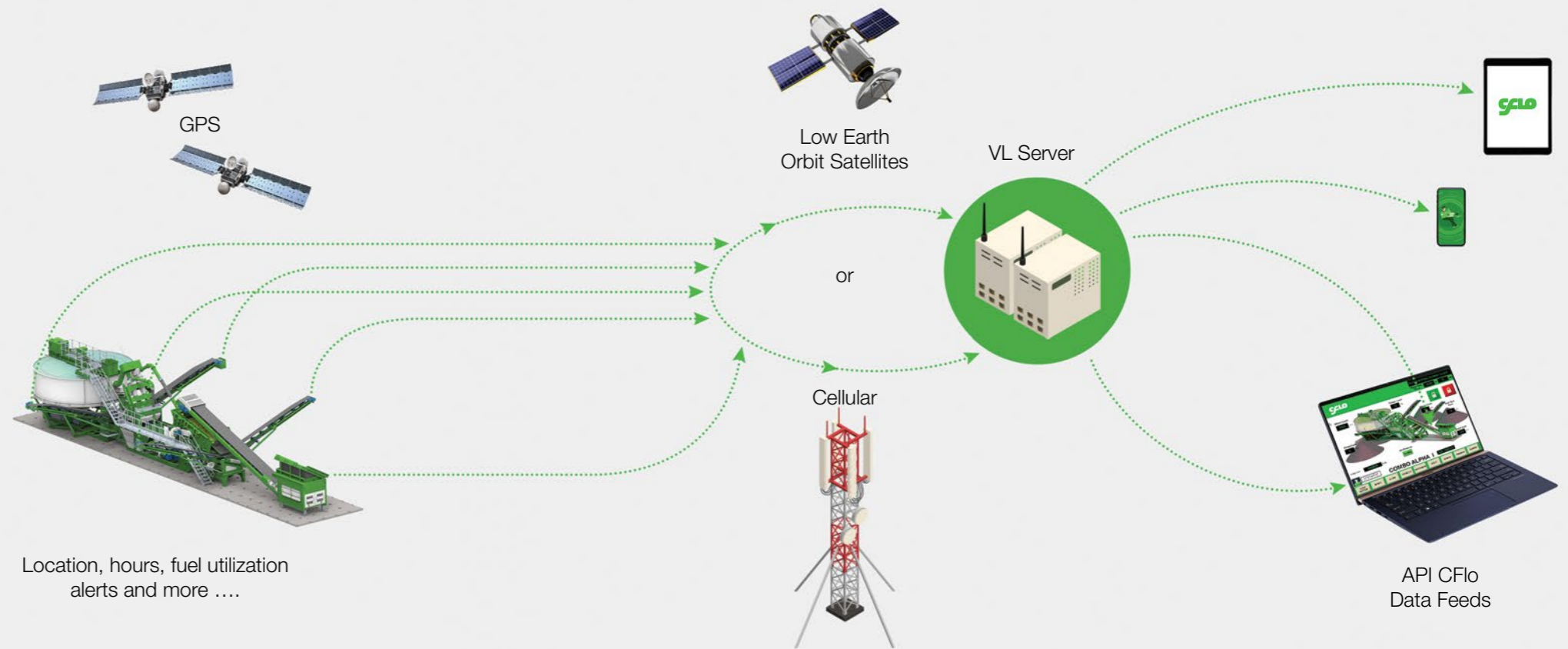
A world class service with Cutting-edge Technology



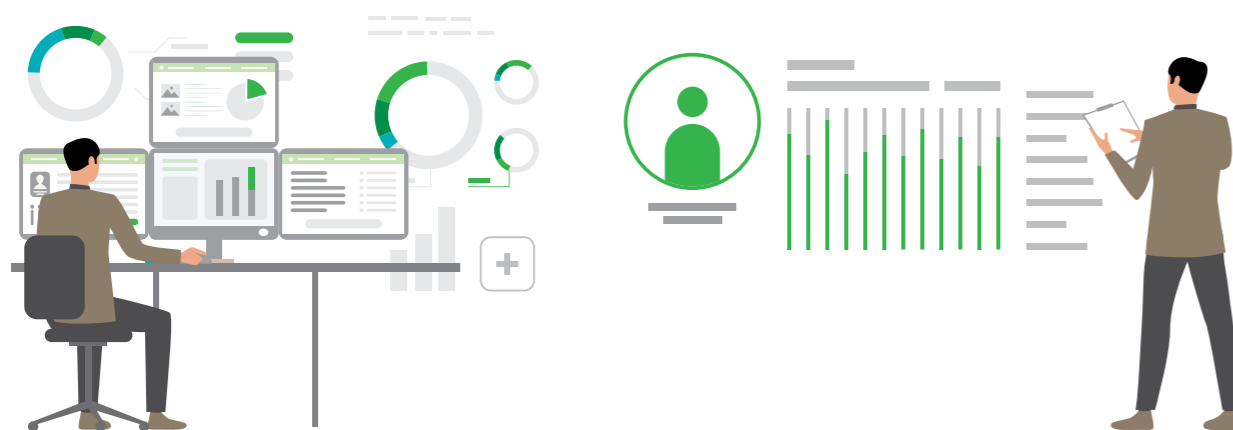
We have a dedicated in-house team of service engineers who are proficient in the commissioning and ongoing maintenance of our equipment. This ensures maximum plant efficiency, providing maximum profitability.

Complete Peace of Mind

- _____ Contact-Free
- _____ Avoid Losses due to Breakdown
- _____ Highest Yield
- _____ Optimum Use of your Working Capital
- _____ Safe Plant Operation by Expert
- _____ Extended Equipment Life



CFLO Command Center



Fastest RoI for your Combo with our Annual Maintenance Packs

Run your Combo upto 6000 hours every year without any fear

AMC drives +90% Availability/Uptime

Why lose cash with breakdowns when you have AMC

We help you maximize your profit by monitoring and improving your Product Yield

We will work with your team to improve your Product-Mix that will fetch the best value in market

Optimize your Cost of Operation with CFlo experience of hundreds of plants across the countries

Protect your people with CFlo Safety Features

Life of your equipment increases manifold with CFlo Original Spares and Expertise

We are CFlo

A leading innovator in modular wet processing technologies, delivering bespoke equipment solutions across waste recycling, upcycling mining waste, ore beneficiation, and critical mineral recovery.



Click / Scan
for video

Customer Support

Toll Free: 1800-120-3800 (India only)

Whatsapp: +91 93300 80000

Email: info@cfloworld.com



CFlo World Limited

Global Headquarters

Ecospace Business Park, Block 4A, Floor 6, Action Area II
New Town Rajarhat, Kolkata 700 160, India

T: +91 33 3029 3800

F: +91 33 3029 3802

E: info@cfloworld.com

W: www.cfloworld.com

Our Sales Network around the globe

Middle East

Toll Free (UAE Only) : 800 088 601045
GCC Contact: +44 7868 788960
Email: info@cflo.ae

UK & Europe

Phone: +44 78687 88960
Email: info@cflo.eu

North America

Phone: +1 587 883 2657
Email: info@cflo.us

Oceania

Phone: +61 870 925 996
Email: info@cflo.au