

Metso

Modular plant solutions

Nordplant™

The fastway to full
production





The fast and easy way to build a complete plant

Metso Nordplant™ solutions for aggregates crushing and screening are built using pre-designed modules, which allow quick delivery and easy assembly to get your plant up and running in the time you want. Whether you are building a complete, totally new plant or upgrading your existing plant, Nordplant™ solutions provide high efficiency and industrial performance for quick return on investment.



Quality

Each solution is carefully selected to meet your needs for production, reliability, and aggregates quality.

Safety

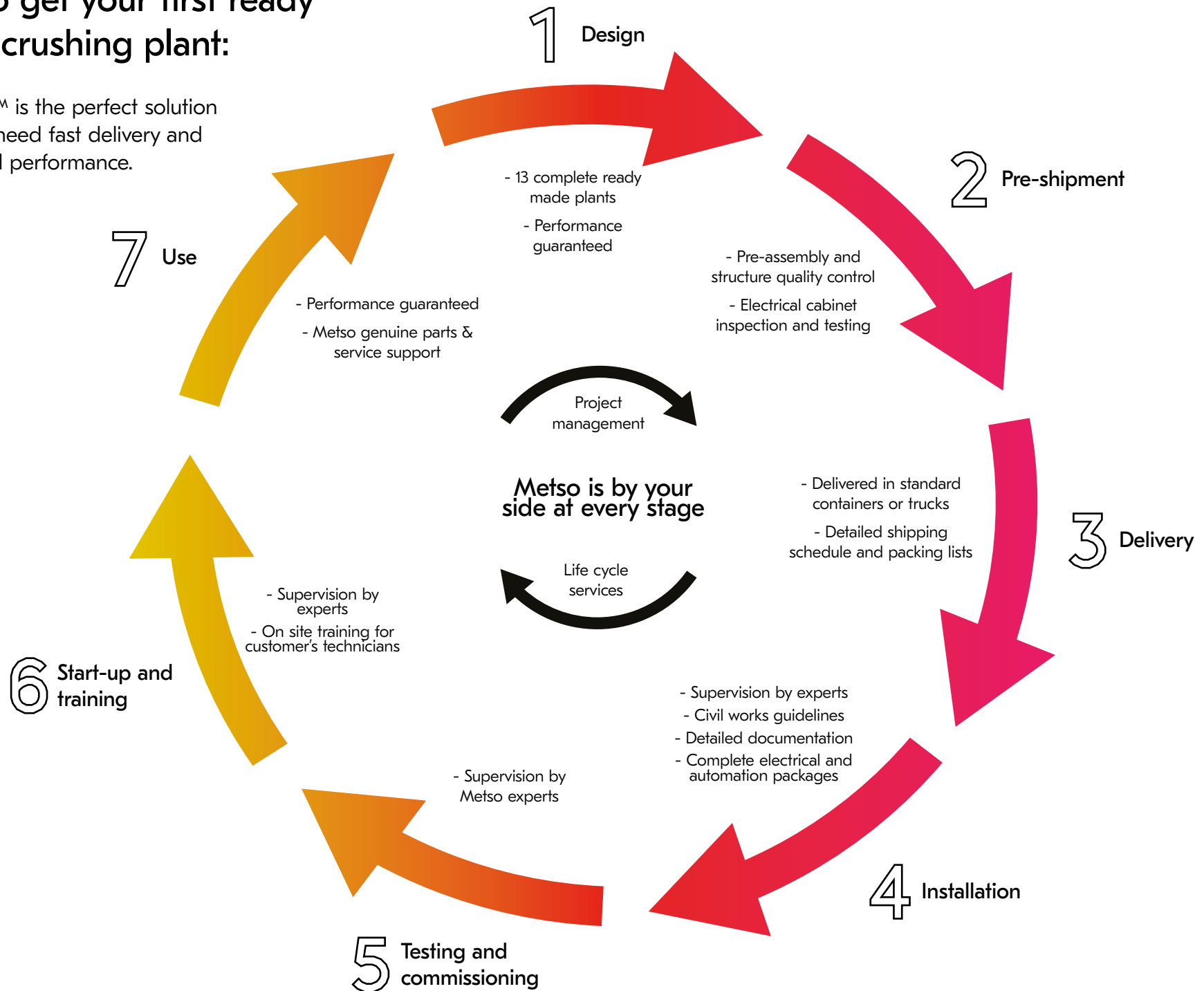
Metso ensures that safety and maintenance follow best practices and the plant complies with local regulations and standards.

Reliability

Every Nordplant™ solution is based on proven, world-class Metso equipment and technology.

How to get your first ready to run crushing plant:

Nordplant™ is the perfect solution when you need fast delivery and guaranteed performance.



30-40%
faster delivery and
commissioning

Everything you need

With Metso, you get everything you need from one supplier. The standard, pre-engineered components make installation simple, fast and easy.

We offer 13 standard plant variations and layouts to select from to meet your needs. Each Nordplant™ delivery includes equipment, machines and conveyors; all steel works, electrical cabinets and accessories; and services including planning, shipping, installation and commissioning supervision. The delivery may include optional spares and service availability.

The right configuration for your project

Nordplant™ solutions are always specified together with the customer to ensure they meet their needs. A selection of modules and layouts is available for primary, secondary, tertiary and quaternary crushing and screening. Designed for versatility, the Nordplant™ modular range is scalable to fit your present and future production needs.

Cost-effective performance

Nordplant™ solutions are competitively priced and have lower project costs because less engineering and planning is required. You also save over the lifecycle of the plant thanks to the reliability of Metso crushers and screens, and the durable and well-designed steel structures.

Warranty

Every Nordplant™ solution has a full Metso warranty.

Complete plants — The options you need

Complete Nordplant™ solutions are a good option when you need a plant for aggregates production on greenfield sites.

Metso offers thirteen pre-designed and ready-to-run Nordplant complete solutions with capacities up to 400 tph for quick production start-up.

Whether you are looking for two or three crushing stages plant, there's a Nordplant™ configuration for your needs. These complete solutions give you optimized process performance and controlled budget and quick delivery time for the best return on your investment.

Every Nordplant™ solution has a full Metso warranty.



Quality

High quality aggregates shape possible through selective circuits and tertiary shaper.

Process flexibility

On-site setup for immediate production and adaptation to your quickly evolving market.

Easy maintenance

Available space between the machines for great accessibility and easier maintenance.

Centralized control

Electrical and automation package included with centralized plant control.

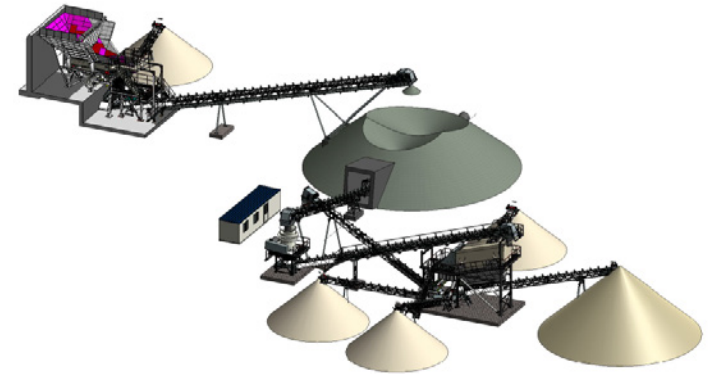


Metso quality

By choosing Metso you get reliable, field- proven technology.

Our equipment is famous for its long lifecycle so you can be sure that your investment will retain its value. We have more than 150 years of expertise and leadership in crushing and screening, and with a service network that reaches around the world, you can rely on us for expert services, dedicated support and high-quality wears and spares.

Select your complete Nordplant™ solution



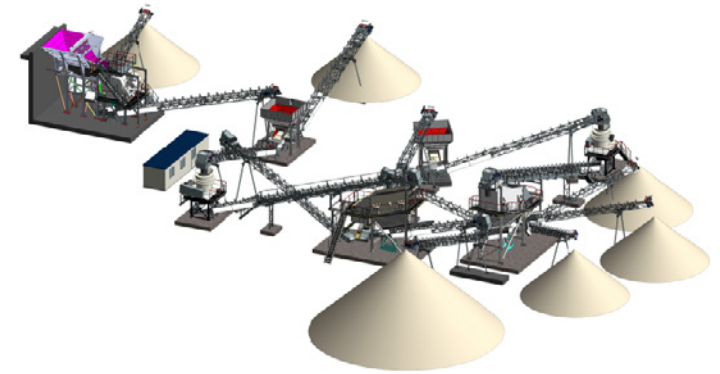
To get started with your Nordplant solution, answer the questions on the left and choose your solution.

Nordplant 10.1
Complete Plant with intermediate stockpile

		From low to abrasive rock — 2 or 3 crushing stages																		
STEP 1	What type of rock are you processing?	Max feed size (mm)	400		560		700		700		610		560		700		700		610	
		Max feed size (in)	16'		22'		28'		28'		24'		22'		28'		28'		24'	
STEP 2	How many different end products do you need to produce?	No. end products size fractions	4		4		4		4		4		4		4		4		4	
STEP 3	What is your planned production capacity?	Feed capacity (mtpch)	80	100	150	170	220	240	220	240	220	240	200	240	280	320	280	320	280	320
		Feed capacity (stph)	88	110	165	187	243	265	243	265	243	265	220	265	309	353	309	353	309	353
		End product capacity mtpch (0-25 mm)	65	70	130	140	190	200	190	200	190	200	160	180	240	260	240	260	240	260
		End product capacity stph (0-1')	72	77	143	154	209	220	209	220	209	220	176	198	265	287	265	287	265	287
STEP 4	How consistent does your end product need to be?	End product shape	.		.		.		.		.		..		..		..		..

		Nordplant™ model		1	8	10	10.1	10.2	14	2	2.1	2.2
Your Nordplant solution	Configuration	Application	2 crushing stages	2 crushing stages	2 crushing stages	2 crushing stages	2 crushing stages	2 crushing stages	3 crushing stages with mixed products	3 crushing stages with mixed products	3 crushing stages with mixed products	3 crushing stages with mixed products
		Primary crushing module	TKF 8-32-2V, Nordberg C80	TKF11-42-2V, Nordberg C106	TK11-42-2V, Nordberg C120	VF561-2V, TK13-20-3V, Nordberg C120	VF544-2V, Nordberg C116	TKF11-42-2V, Nordberg C106	TK11-42-2V, Nordberg C120	VF561-2V, TK13-20-3V, Nordberg C120	VF544-2V, Nordberg C116	
		Secondary & tertiary crushing modules	Nordberg HP100	Nordberg HP200	Nordberg HP300	Nordberg HP300	Nordberg HP300	Nordberg HP200, Nordberg HP100	Nordberg HP300, Nordberg HP200	Nordberg HP300, Nordberg HP200	Nordberg HP300, Nordberg HP200	
		Screening modules	CVB1540-4M	CVB1845-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	

		Low to slightly abrasive rock — 2 crushing stages								
STEP 1	What type of rock are you processing?	Max feed size (mm)	560	700	700	610				
		Max feed size (in)	22'	28'	28'	24'				
STEP 2	How many different end products do you need to produce?	No. end products size fractions	4	4	4	4				
STEP 3	What is your planned production capacity ?	Feed capacity (mtpH)	180	230	250	320	250	320	250	320
		Feed capacity (stph)	198	254	276	353	276	353	276	353
		End product capacity mtpH (0-25 mm)	160	195	210	250	210	250	210	250
		End product capacity stph (0-1")	176	215	231	276	231	276	231	276
STEP 4	How consistent does your end product need to be?	End product shape	..	..	..	..



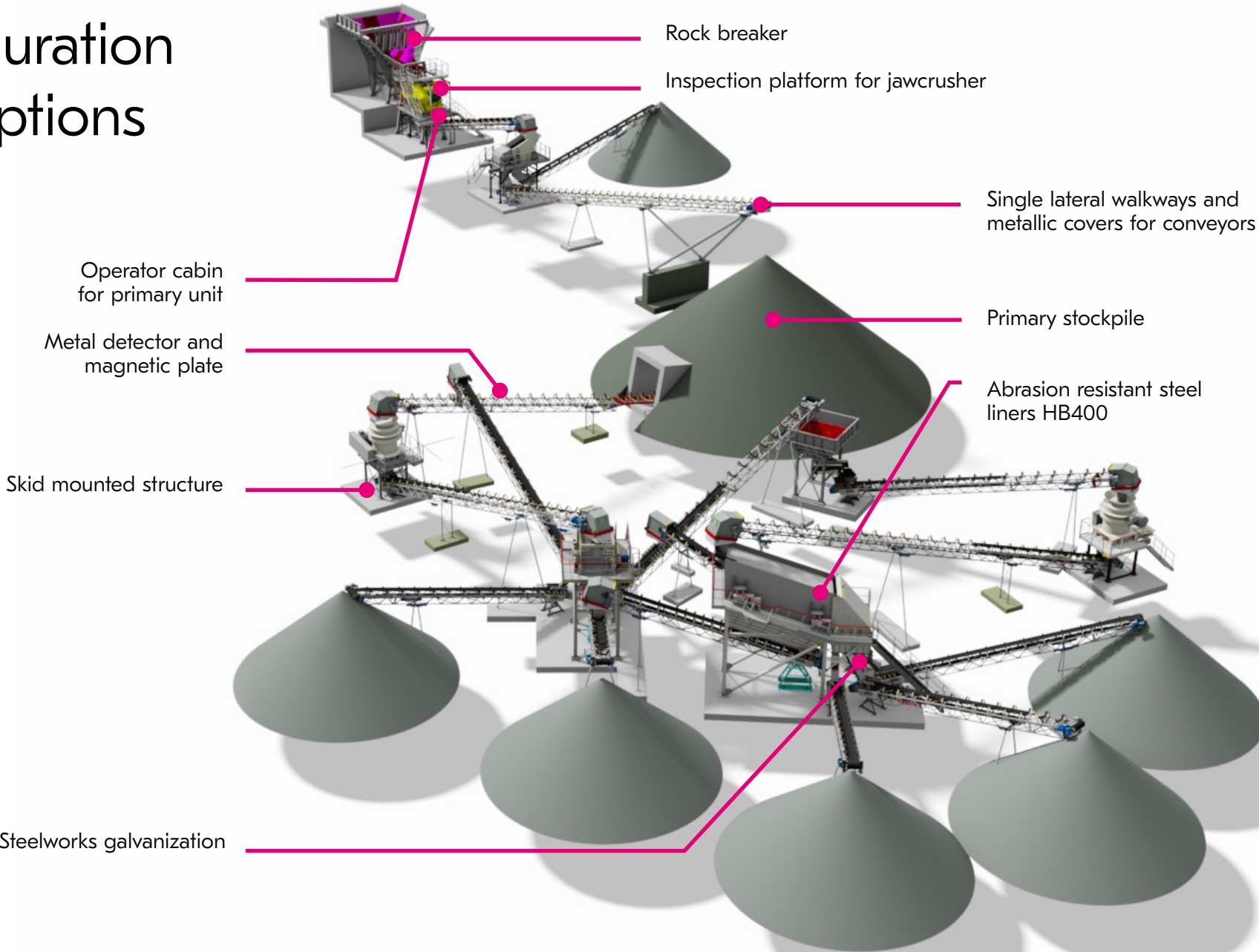
Nordplant 5
Complete Plant for High quality shape

		Nordplant™ model		3	4	4.1	4.2
Your Nordplant solution	Configuration	Application	2 crushing stages	2 crushing stages	2 crushing stages	2 crushing stages	2 crushing stages
		primary crushing module	TKF11-42-2V, Nordberg C106	TK11-42-2V, Nordberg C120	VF561-2V, TK13-20-3V, Nordberg C120	VF544-2V, Nordberg C116	
		Secondary & tertiary crushing modules	Nordberg NP13	Nordberg NP13	Nordberg NP13	Nordberg NP13	
		Screening modules	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	

		Low to very abrasive rock for end products with precise shape — 3 crushing stages																				
STEP 1	What type of rock are you processing?	Max feed size (mm)	560	610	700	610	610	700	700	700	610	700										
		Max feed size (in)	22'	24'	28'	24'	24'	28'	28'	28'	28'	24'	28'									
STEP 2	How many different end products do you need to produce?	No. end products size fractions	5	5	5	5	5	5	5	5	5	5										
STEP 3	What is your planned production capacity ?	Feed capacity (mtpH)	170	200	170	200	260	310	260	310	260	310	320	390	240	320	240	320	240	320	310	380
		Feed capacity (stph)	187	220	187	220	287	342	287	342	287	342	353	430	265	353	265	353	265	353	342	419
		End product capacity mtpH (0-25 mm)	150	170	150	170	220	250	220	250	220	250	280	320	210	250	210	250	210	250	270	310
		End product capacity stph (0-1")	165	187	165	187	243	276	243	276	243	276	309	353	231	276	231	276	231	276	298	342
STEP 4	How consistent does your end product need to be?	End product shape	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

		Nordplant™ model		11	12.2	5	5.1	5.2	13.1	6	6.1	6.2	7.1
Your Nordplant solution	Configuration	Application	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit	3 crushing stages with selective circuit and tertiary shaper	3 crushing stages with selective circuit and tertiary shaper	3 crushing stages with selective circuit and tertiary shaper	3 crushing stages with selective circuit and tertiary shaper
		Primary crushing module	TKF11-42-2V, Nordberg C106	VF544-2V, Nordberg C116	TKF11-42-2V, Nordberg C120	VF561-2V, TK13-20-3V, Nordberg C116	VF544-2V, Nordberg C116	VF561-2V, TK13-20-3V, Nordberg C120	TK11-42-2V, Nordberg C120	VF561-2V, TK13-20-3V, Nordberg C120	VF544-2V, Nordberg C116	VF561-2V, TK13-20-3V, Nordberg C120	VF544-2V, Nordberg C116
		Secondary & tertiary crushing modules	2 x Nordberg HP200	2 x Nordberg HP200	2 x Nordberg HP300	2 x Nordberg HP300	2 x Nordberg HP300	2 x Nordberg HP300	2 x Nordberg HP4	Nordberg HP300, Barmac 7150	Nordberg HP300, Barmac 7150	Nordberg HP300, Barmac 7150	Nordberg HP4, Barmac 9100
		Screening modules	2 x CVB1845-4M	2 x CVB1845-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	2 x CVB2060-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	CVB1845-4M, CVB2060-4M	2 x CVB2060-4M

Select your Nordplant™ configuration and options



Nordplant™ Compact crushing and screening solution

Expand and upgrade your plant

Upgrade or expand your existing installation using Metso Compact crushing and screening solutions.

Nordplant™ Compact are standardized, optimized and designed solutions including one crusher, one screens and conveyors to produce from 2-4 aggregates fraction.

Every solution is pre-designed, which allows quick delivery and easy assembly to get your plant and your process operational in the minimum time.

Metso designed the Nordplant Compact range to provide flexible and ready to run crushing and screening solutions that can be adapted according to your production requirements.

Choose from our catalogue of standard configurations to build/upgrade your installation & limit engineering costs.

Metso will deliver your crushing and screening Compact plant with everything required to get your process up and running. This includes delivery, steelwork, assembly, and installation, as well as the associated services to optimize your process application.

Metso offers seven pre-designed and ready-to-run Nordplant Compact solutions suitable to:

- Increase aggregates production capacity and quality in existing plant, by adding a new line
- Re-crush and valorize coarse unsold fractions
- Produce additional fractions, when needed, based on seasons or end customers' needs



Select your complete Nordplant™ Compact solution

Metso offers seven pre-designed and ready-to-run Nordplant™ Compact solutions
Choose from our catalogue of standard configurations to build or upgrade your installation.

Nordplant™ COMPACT model	Low to abrasive rock						
	20C	21C	21:1C	22C	22:1C	23C	23:1C
Application	1 crushing stages, secondary or tertiary crushing	1 crushing stages, secondary or tertiary crushing	1 crushing stages, secondary or tertiary crushing	1 crushing stages, secondary or tertiary crushing	1 crushing stages, secondary or tertiary crushing	1 crushing stage, secondary or tertiary crushing	1 crushing stages, secondary or tertiary crushing
Feed hopper	20 mc Loading width 3.5 m Feeder 650 x 1,000	20 mc Loading width 3.5 m Feeder 800 x 1,250	35 mc Loading width 4.5 m Feeder 1,000 x 1,500	20 mc Loading width 3.5 m Feeder 1,000 x 1,500	35 mc Loading width 4.5 m Feeder 1,000 x 1,500	20 mc Loading width 3.5 m Feeder 800 x 1,250	35 mc Loading width 4.5 m Feeder 1,000 x 1,500
Crushing modules	Nordberg® HP100	Nordberg® HP200	Nordberg® HP200	Nordberg® HP300	Nordberg® HP300	Barmac® 7150	Barmac® 7150
Screening modules	CVB1540-4M	CVB1845-4M	CVB1845-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M	CVB2060-4M
No. end products size fractions	2–4	2–4	2–4	2–4	2–4	2–4	2–4

Metso will deliver your crushing and screening Compact plant with everything required to get your process up and running.

This includes delivery, steelwork, assembly, and installation, as well as the associated services to optimize your process application.



Build your Nordplant™ anywhere

Nordplant™ solutions can be shipped anywhere in the world in containers or on metallic skids for quick delivery and easy site placement.

Nordplant™ structures and conveyors are optimized, and packed and shipped in standard containers. Some structures are welded as one piece for fast erection and placement on site.

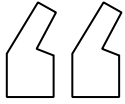
Metso conducts quality control checks on structures before units leave the workshop.

Every bolt, nut and detail are reviewed for fast site erection and operation. In addition, Metso provides the expertise, design, and equipment to get your operation performing as quickly as possible.



Nordplant™ structures and conveyors are optimized, packed and shipped in standard containers.

Customer cases



We chose this module because we wanted to improve the quality of the gravel. We have been using it for more than five months and we are very satisfied with the performance which is excellent. Thank you for the good delivery service you had set up so that we could receive the crusher as soon as possible. Your professionalism has appealed to us a lot, so we wish you a very good continuation.

Mr. Salif, Sow Plant manager, about the new crushing line in Mansadala site



We chose this installation to increase our production but also to have a better quality of gravel. We're satisfied as the plant has performed well since installation. Thank you for respecting the delivery deadlines and also for accompanying us throughout this project. We hope that this partnership will always be beneficial for our two companies.

Mr. Abdel Halim Gara, Kidira Plant manager, about the new full Nordplant™ 5.1



Customer cases

- [Nordplant™ - to create a new infrastructure in Senegal](#)
- [Groupe Bathily invested in new quarrying opportunities through customer financing](#)



