

Mining Company

VULKAN
DRIVE TECH
reliable industrial drives

Coupling

Brakes

Reducers - Anti-Reverse

Mechanisms

Clutches



2010/05

Vulkan Drive Tech, new world division of **Vulkan Group**, manufactures and markets products of **Vulkan** and **Sime** industrial line. With the launching of its hydro-mechanical reducers and coupling, mining market now counts with a supplier of the complete line of products and solutions for power transmission system.

It has great presence on several industrial segments due to the high technology of its products and high training of its technical staff, other than rendering Technical Assistance Services throughout Brazil. Mining segment has been applying **Vulkan** and **Sime products for over 20 years**, always counting with great performance mainly regarding critical applications, such as: controlled braking system for regenerative carriers, Anti-Reverse system of high torque for ascendant carriers and drive system with flexible coupling without lubrication

Helicoidal Reducer



Characteristics	Values	Unit
Torque	up to 915,000	Nm
Reduction	1.25 to 630	[·]
Power	0,7 to 7.700	kW

1 4 5 6 7 8 9 10
11 13 14 15

Planetary Reducer



Characteristics	Values	Unit
Torque	5.000 to 1.800.000	Nm
Reduction	140 to 480	[·]
Power	25 to 950	kW

2 7 14

Planetary Slew Reducer



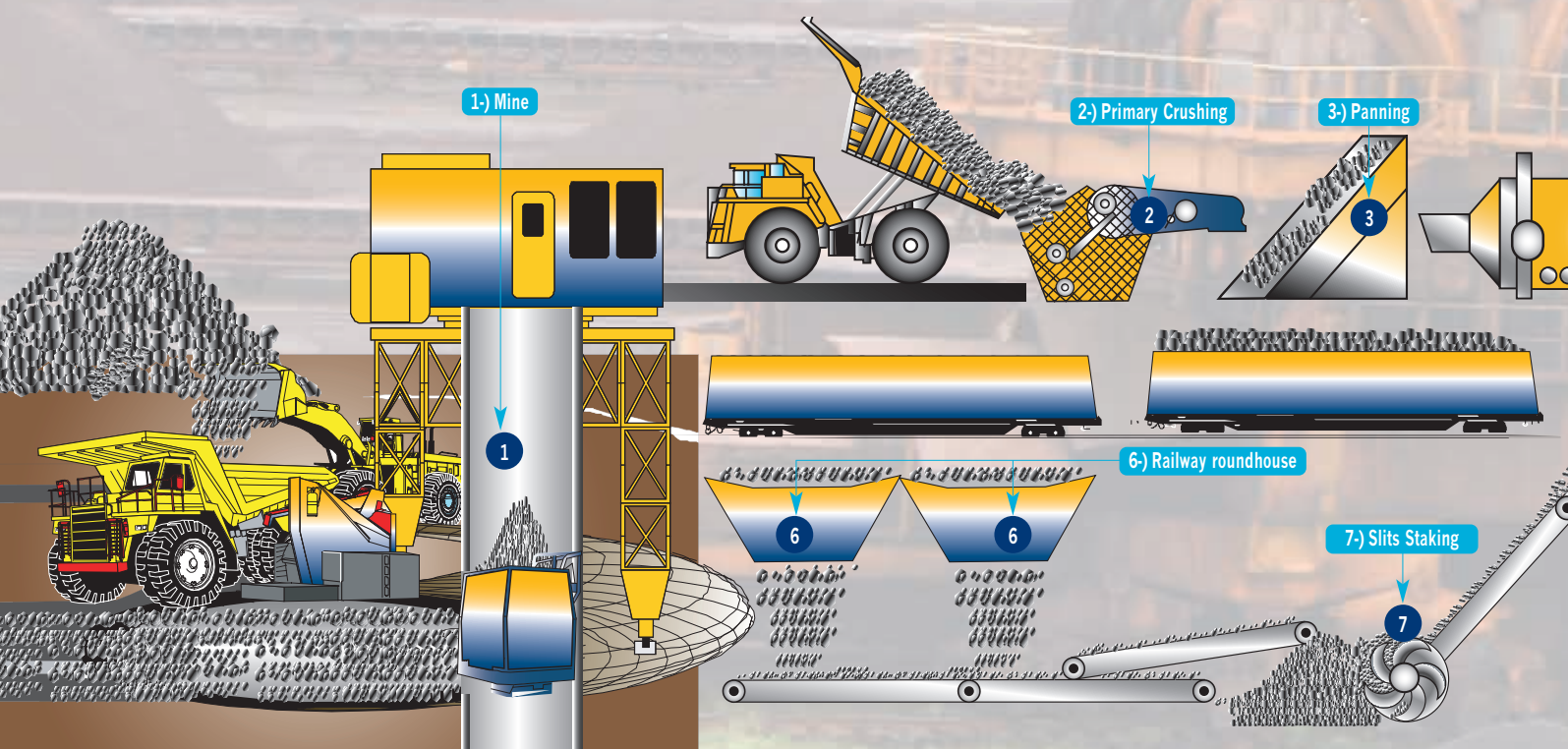
Characteristics	Values	Unit
Torque	5.000 to 477.000	Nm
Reduction	400 to 1000	[·]
Power	7.5 to 25	kW

7 14

Cable Reel



7 6 14 15



VULKAN – Technology on



Flexomax GBN

2 3 5 6 7 10
12 13 14 15



Flexomax GSN

5 6 7 8 10 12
14 15



Denflex NVD

1 2 3 4 6 9
12 13 14 15



Discflex

4 1 9



Flexomax G

5 8



Spel

2 3 5



Electromagnetic Brakes – Line FESA

6 7 12 15



Wheel Brakes – Line FR

7 14 15



Hydraulic Brakes – Line DR

6



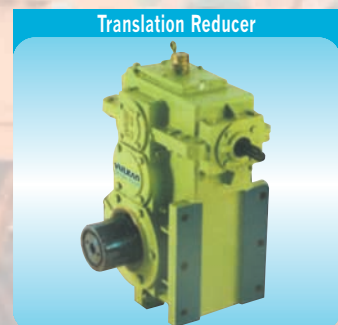
Electromagnetic Brakes – Line K

3 5 7 8 10 11
12 13 14 15



Electro mechanical actuators – AES Line

8 9 14 6 15



Translation Reducer

Characteristics	Values	Unit
Torque	5.000 to 28.000	Nm
Reduction	140 to 480	[-]
Power	25 to 350	kW

7 14 15



Concentric Motor reducer

Characteristics	Values	Unit
Torque	36 to 18.000	Nm
Reduction	1,3 to 290	[-]
Power	0,12 to 160	kW

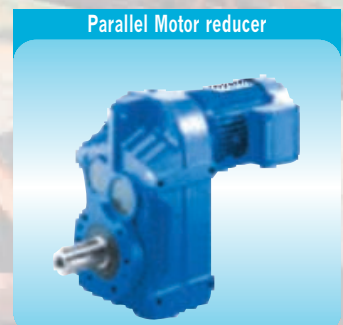
8 9 10 11 13 15



Conic Motor reducer

Characteristics	Values	Unit
Torque	125 to 50.000	Nm
Reduction	4 to 198	[-]
Power	0,12 to 200	kW

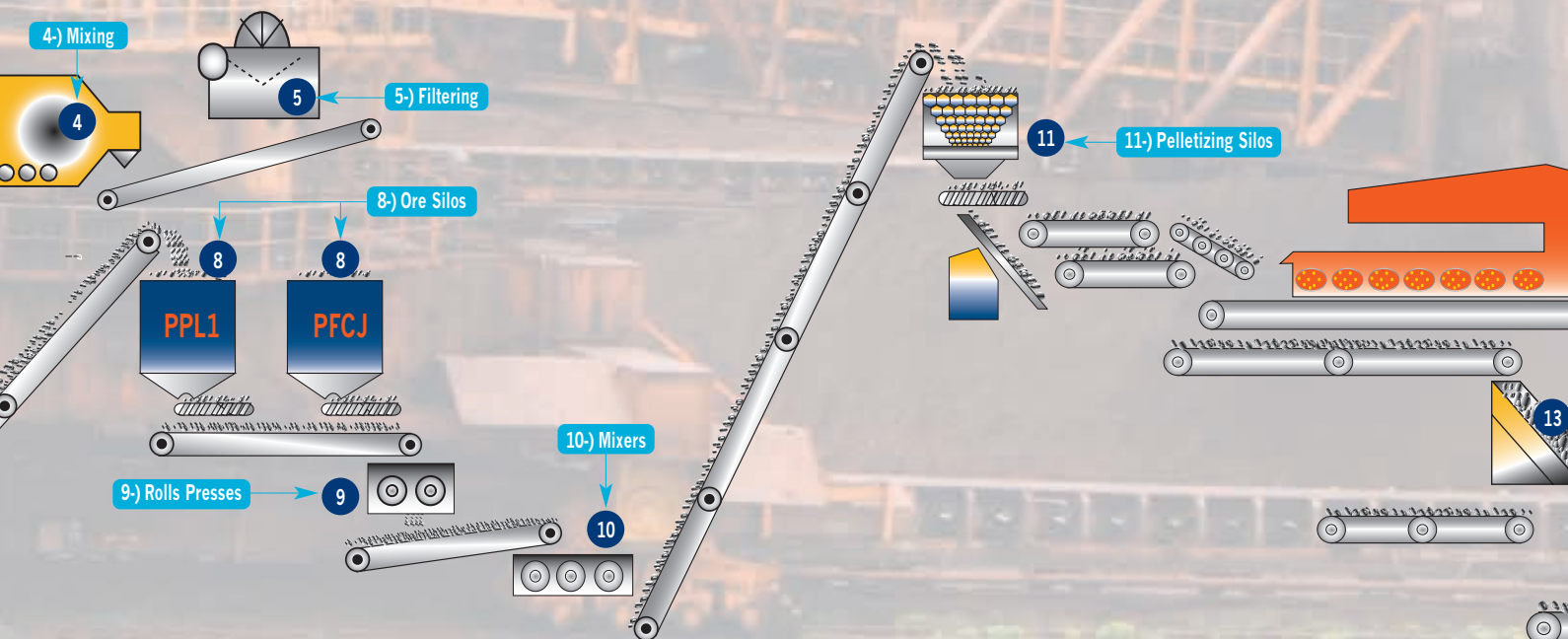
8 9 10 11 13 15



Parallel Motor reducer

Characteristics	Values	Unit
Torque	87 to 18.000	Nm
Reduction	3,5 to 282	[-]
Power	0,12 to 200	kW

8 9 10 11 13 15



Power Transmission



ex - N
8 13



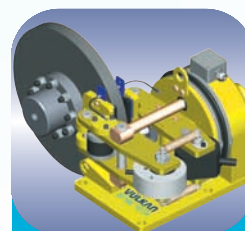
High rotation anti-reverse mechanism
7 14 15



Low-Speed Backstop Freewheel
7 14



Hydrodynamic Coupling
4 1 9 14 7



Electromagnetic Brakes - Line C
2 4 5 6 7 14
15 12 13



Electromagnetic Brakes - Line FEHSD1
5 7 11 12 13 4
15 14



Electrohydraulic brakes - Line FEHD
7 14 6 15



Rail Clamp - GA Line
3 7 8 14 15



Hydraulic Brakes - HM Line
1 2 4 5 14



Hydraulic Unities - UH Line
1 2 4 5 6 7
14 15



Hydraulic Brakes - SM Line
1 2 4 5 7 14
6 15



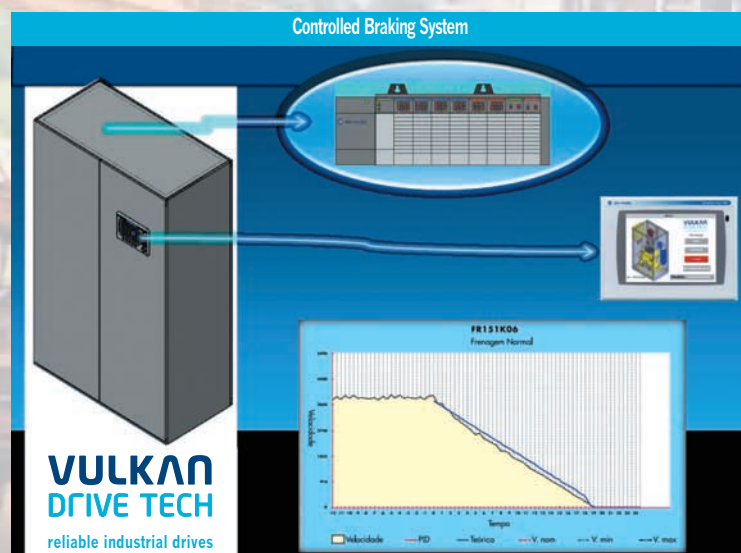
Characteristics	Values	Unit
Torque	43 to 4.000	Nm
Reduction	6,8 to 289	[-]
Power	0,12 to 22	kW

8 9 10 11 13 15



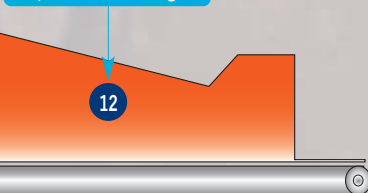
Characteristics	Values	Unit
Torque	18 to 40.0000	Nm
Reduction	10 to 31	[-]
Power	1,1 to 193	kW

3 13



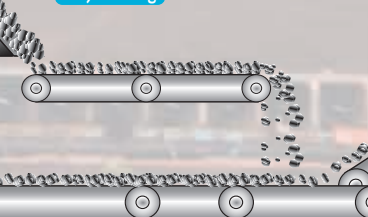
1 7 14

12-) Mobile Grill Rangers

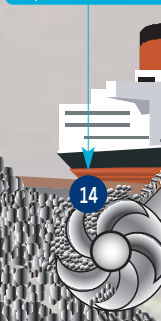


12

13-) Panning

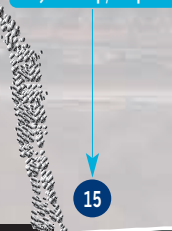


14-) Ore Pellet Yard



14

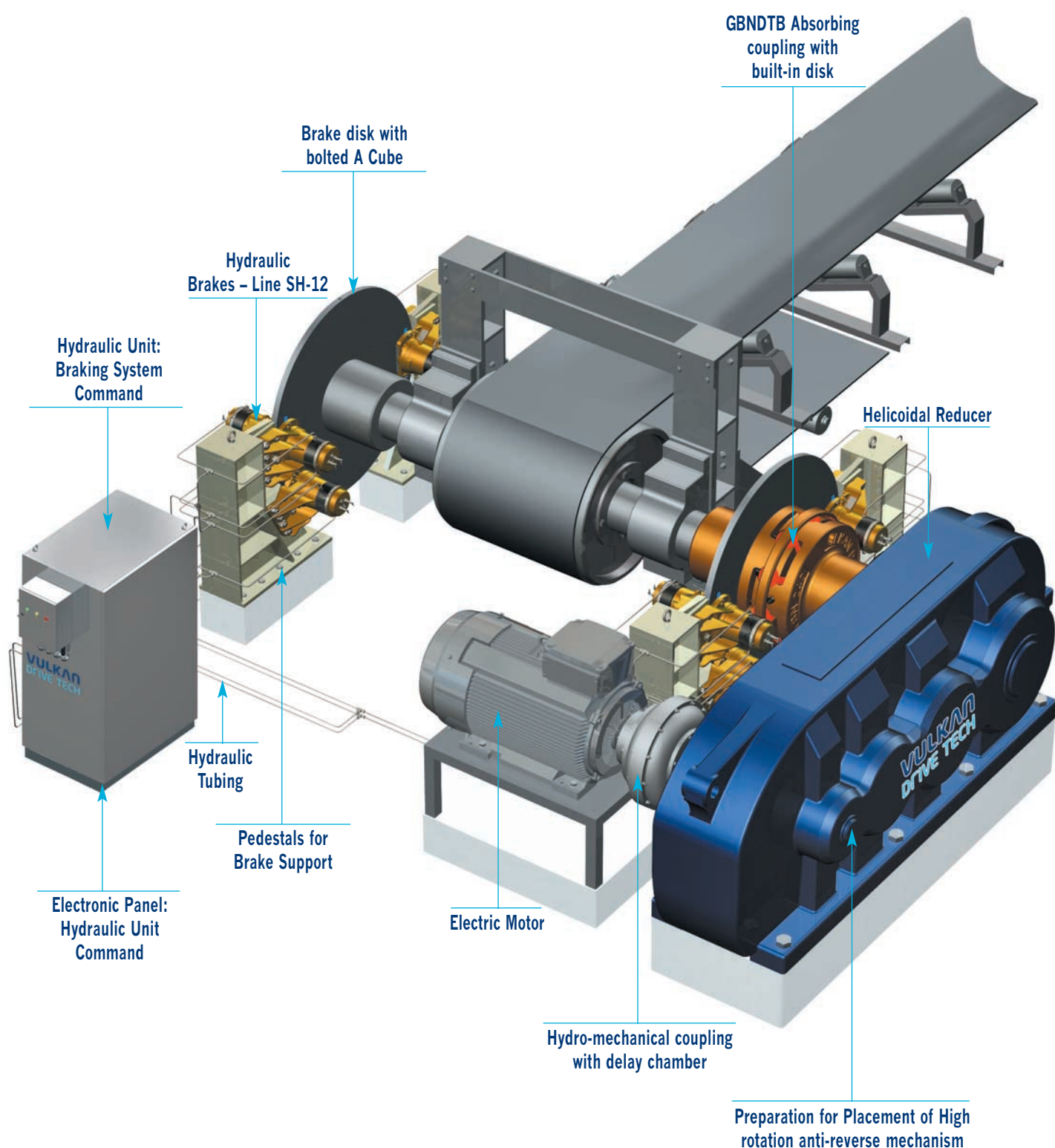
15-) Pick-up/drop-off



15

Vulkan Drive Tech has the technology and collaborators highly specialized fit to provide the best solution for your application.

Application Conveyor Belt Drive System





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