



ARAMINE PRODUCT BOOK



WHAT WE DO

A COMPLETE RANGE OF UNDERGROUND MINING EQUIPMENT

From narrow vein mines to medium section galleries, Aramine has the most complete and comprehensive range of machines.

After more than 15 years of development and manufacturing, we have more than 500 machines in operation worldwide.

Designed for the most difficult and varied environments, our machines are mainly used in hard rock mines, at depths ranging from less than 1,000 m to 4,850 m for our largest customer.

Aware of the need to electrify narrow vein mines, Aramine quickly developed the first battery-powered electric loader that can be used without major modifications to the mine's infrastructure.

Today, our battery-powered machines are operating in all continents and represent 20% of our machine production.

Aramine is anticipating this change in our industry with the construction of our new high-tech manufacturing center, which will be dedicated to the manufacture of our BEV machines.

**BATTERY
MACHINES
REPRESENT
20% OF OUR
PRODUCTION**



DIESEL



ELECTRIC



BATTERY



HIGH PRODUCTIVITY



HIGH RELIABILITY



LOW MAINTENANCE COST



BEST COMFORT OF ITS CATEGORY



DESIGNED FOR THE HIGHEST CERTIFICATION

	MODEL	ENERGY	WIDTH	CAPACITY
DM901 HDE				
MINIDRILLER	DM901HDD	DIESEL	1,2 m	
MINIDRILLER	DM901HDE	DIESEL/ELECTRIC	1,2 m	



	MODEL	ENERGY	WIDTH	CAPACITY
MINING LOADER	L110E	ELECTRIC	0,88 m	1 t
	L130D	DIESEL	1,04 m	1,2 t
	L130E	ELECTRIC	1,04 m	1,2 t
	L140B	BATTERY	1,1 m	1,3 t
	L150D	DIESEL	1,2 m	1,4 t
	L150XD	DIESEL	1,2 m	1,6 t
	L150E	ELECTRIC	1,2 m	1,4 t
	L150XE	ELECTRIC	1,2 m	1,6 t
	L 350D	DIESEL	1,5 m	4 t
	L 440B	BATTERY	1,7 m	4,6 t

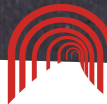



	MODEL	ENERGY	WIDTH	CAPACITY
MINETRUCK	T500D	DIESEL	1,5 m > 1,4 m	3,9 t > 4,2 t
	T500B	BATTERY	1,5 m > 1,4 m	3,9 t > 4,2 t
	T1301C	DIESEL ELECTRONIC	1,65 m	12 t
	T1601C	DIESEL ELECTRONIC	2 m	15 t
	T1801C	DIESEL ELECTRONIC	2,25 m	17,5 t
	T1801XC	DIESEL ELECTRONIC	2,25 m	20 t

- Automatic lube system
- Fire suppression system (Powder or watermist)
- Radio Remote Control system
- High altitude compliance
- Oil bath/air cleaner
- Particle filter
- Bi-Xenon compact lights
- Certified ROPS/FOPS canopy
- Reverse Visual Alarm
- Emergency power steering (Electro-hydraulic)
- Bucket and steering controls Interlock
- Bucket with anti abrasive blades reinforcement
- Ejector bucket
- Quick disconnect system (for battery)

- Training in our Facilities
- Preventive and corrective service
- Training on Site
- Full maintenance and repair contract

MINING LOADER

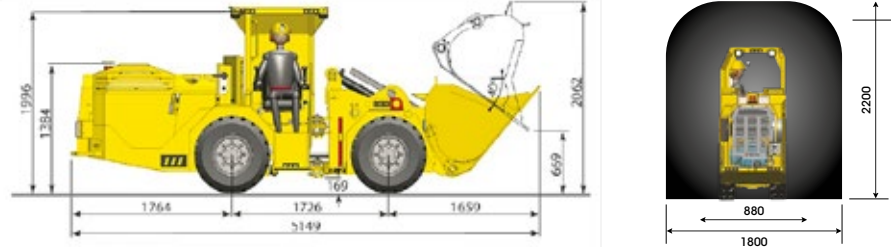
L110E

ELECTRIC


- CAPACITY 1000 KG
- MODERN TRANSMISSION
- AUTOMATIC CABLE TENSION SYSTEM
- LOW NOISE & VENTILATION

MAIN SPECIFICATIONS

Capacity	1000 kg
Bucket	0.4 to 0.6 m ³ (0,52 to 0,78 yd ³)
Empty weight	4000 kg
Loaded weight	5000 kg
Boom raised speed	5s (50 Hz) or 7s (60 Hz)
Breakout force tilt	3200 daN
Breakout force lift	3900 daN
Energy	Electric 380V - 480V
Power	30kW(50 Hz) or 35kW(60 Hz)
Tires	7.5R15
Electric system	24 V

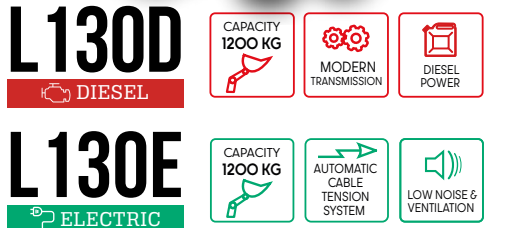


*Data in mm



L130D

DIESEL



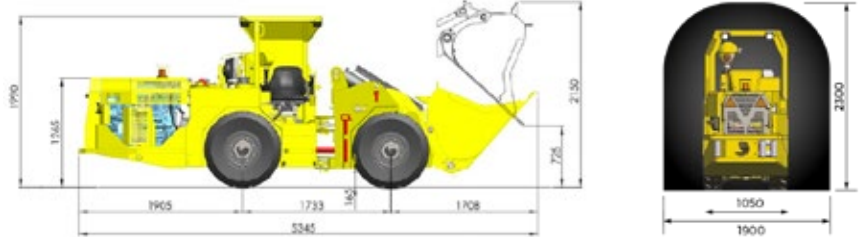
L130E

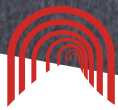
ELECTRIC

- CAPACITY 1200 KG
- MODERN TRANSMISSION
- DIESEL POWER

MAIN SPECIFICATIONS

	L130D	L130E
Capacity	1200 kg	1200 kg
Bucket	0.5 to 0.75 m ³ (0,68 to 1,00 yd ³)	0.5 to 0.75 m ³ (0,68 to 1,00 yd ³)
Empty weight	4700 kg	5000 kg
Loaded weight	5900 kg	6200 kg
Boom raised speed	3,5s	5.5s (50 Hz) or 6.5s (60 Hz)
Breakout force tilt	4000 daN	4000 daN
Breakout force lift	3400 daN	3400 daN
Energy	Diesel	Electric 380V - 480V
Power	50kW	37kW (50 Hz) or 43kW (60 Hz)
Tires	7.5R15	7.5R15
Electric system	12 V	24 V

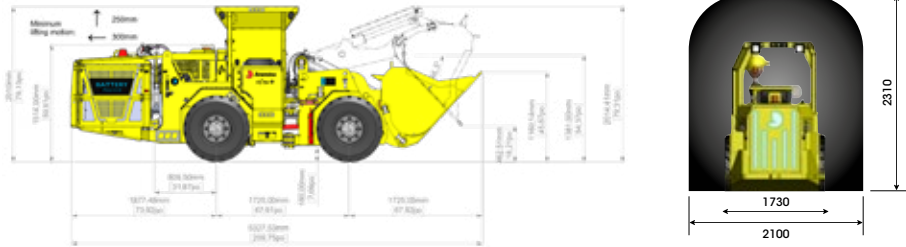




L140B

BATTERY

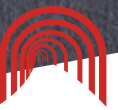
- CAPACITY 1300 KG
- TRACTIVE EFFORT 3,2t
- EMISSION 0% CO₂
- INTEGRATED CHARGER
- LIFE CYCLES 3-5H
- QUICK REPLACEMENT SYSTEM



MAIN SPECIFICATIONS

Capacity	1 300 kg
Bucket	0,7m ³ (0,9 yd ³)
Empty weight	4 700 kg
Loaded weight	6 000 kg
Boom raised speed	4,1 s
Breakout force tilt	30 kN
Breakout force lift	35 kN
Energy	Batteries 24 or 42 kWh
Power	2 motors 25 kW
Tires	7,5R15
Electric system	24 V

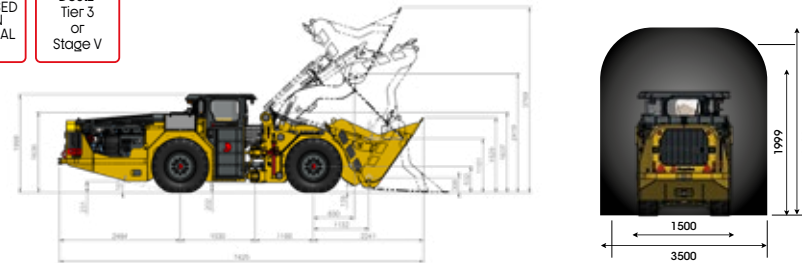
*Data in mm



L350D

DIESEL

- CAN-Bus CONTROL SYSTEM
- ENCLOSED CABIN OPTIONAL
- Deutz Tier 3 or Stage V



*Data in mm

MAIN SPECIFICATIONS

Capacity	4 000 kg
Bucket	1.70 to 1.90 m ³ (2,22 to 2,49 yd ³)
Empty weight	1 790 kg
Loaded weight	2 140 kg
Boom raised speed	6.5 s
Breakout force tilt	9600 daN
Breakout force lift	11 000 daN
Energy	Diesel
Power	114kW or 90kW @2300 rpm
Tires	12.00 R 20
Electric system	24 V



L150D

DIESEL

L150E

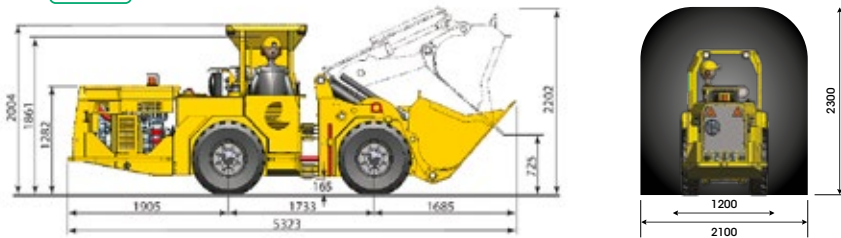
ELECTRIC

- CAPACITY 1600 KG
- MODERN TRANSMISSION & COMPONENTS
- DIESEL POWER

- CAPACITY 1600 KG
- AUTOMATIC CABLE TENSION SYSTEM
- LOW NOISE & VENTILATION

MAIN SPECIFICATIONS

	L150D	L150E	L150XD	L150XE
Capacity	1400 kg	1400 kg	1600 kg	1600 kg
Bucket	0.6 to 0.8 m ³ (0,78 to 1,05 yd ³)	0.6 to 0.8 m ³ (0,78 to 1,05 yd ³)	0.81 to 1 m ³ (1,06 to 1,31 yd ³)	0.81 to 1 m ³ (1,06 to 1,31 yd ³)
Empty weight	4800 kg	5000 kg	5000 kg	5200 kg
Loaded weight	6200 kg	6400 kg	6600 kg	6800 kg
Boom raised speed	3.5s	5s(50 Hz) or 4s (60 Hz)	3.5	5s(50 Hz) or 4s (60 Hz)
Breakout force tilt	4000 daN	4000 daN	4000 daN	4000 daN
Breakout force lift	3400 daN	3400 daN	3400 daN	3400 daN
Energy	Diesel	Electric 380V - 480V	Diesel	Electric 380V - 480V
Power	50kW	37 kW (50 Hz) or 43 kW (60 Hz)	50 kW	37 kW(50 Hz) or 43 kW(60 Hz)
Tires	8.25R15	8.25R15	8.25R15	8.25R15
Electric system	12 V	24 V	12 V	24 V



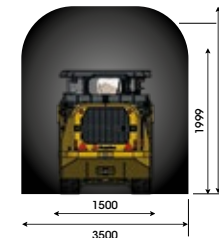
6



L440B

BATTERY

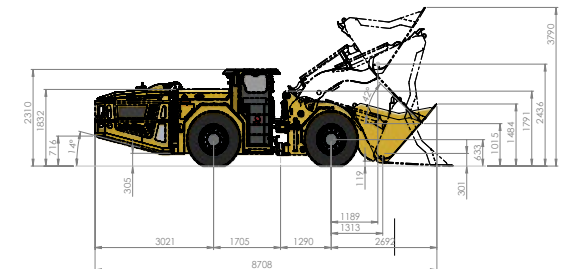
- CAPACITY 4600 KG
- TRACTIVE EFFORT 12T
- EMISSION 0% CO₂
- INTEGRATED CHARGER
- LIFE CYCLES 4-5H
- QUICK REPLACEMENT SYSTEM



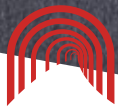
*Data in mm

MAIN SPECIFICATIONS

Capacity	4 600 kg
Bucket	2,4m ³ (3,13 yd ³)
Empty weight	19 200 kg
Loaded weight	23 800 kg
Boom raised speed	6 s
Breakout force tilt	13 t
Breakout force lift	13.5 t
Energy	Battery 225 kWh LiFe PO4
Power	2 motors (140 and 90 kW)
Tires	14.00 R 24 L55
Electric system	2 batteries 12 V 38Ah



7



MINIDRILLER



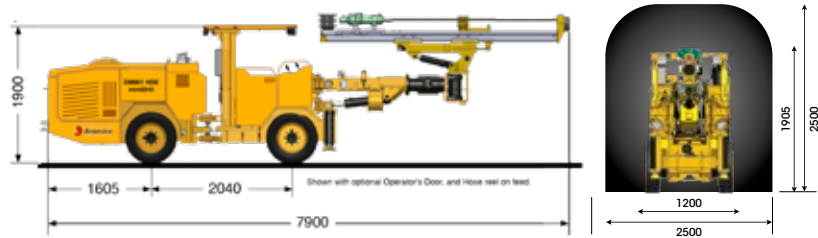
DM90 1HDD DM90 1HDE

DIESEL

ELECTRIC

- HDE: HORIZONTAL FACE DRILLING
- DIESEL ENGINE DRIVEN
- ELECTRICAL POWERPACK DRILLING
- COMPACT
- EASY OPERATING

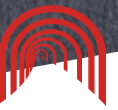
DM90 1 OPTION VERTICAL LONG HOLE DRILLING



*Data in mm

	DM90 1HDE	DM90 1HDD
Machine Width	1200 mm	1200 mm
Energy	Electric + Diesel	Diesel
Tires	7.5R15	7.5R15
Working Pressure	200 bar	200 bar
Drifter Impact Power	14 kW	14 kW
Percussion Frequency	80 Hz	80 Hz
Rotation speed	0-250 rpm	0-250 rpm
Max rotation torque	300 Nm	300 Nm
Feed orientation	180°	180°
Boom horizontal rotation	360°	360°
Feed advance to face	700 mm	700 mm
Water consumption	20-50 L/min	20-50 L/min
Air consumption	300 L/min	300 L/min

MINETRUCK

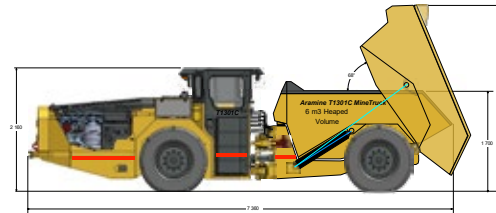


T130 1C

DIESEL

TRAMMING CAPACITY 12 t

6M³ HEAPED VOLUME



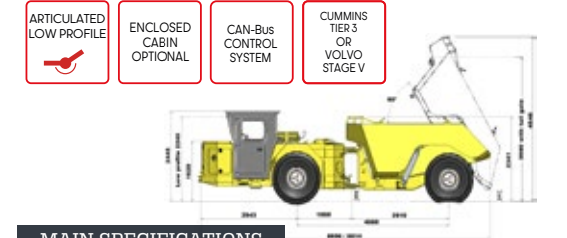
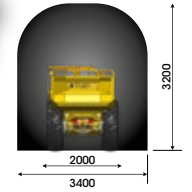
MAIN SPECIFICATIONS

Capacity	12 000 kg
Heaped dump box	6 m ³ (7,8 yd ³)
Empty weigh	14 000 kg
Total loaded weight	26 000 kg
Discharging time	14s
Engine option 1	Diesel Air Cooled - Power 110 kW (150 hp) @ 2 300 rpm
Engine option 2	Diesel Water Cooled - Power 90 kW (121 hp) @ 2 300 rpm
Tires	12.00R24
Electric system	24V



T160 1C

DIESEL



MAIN SPECIFICATIONS

Capacity	15 000 kg
Dump box	7.5 to 9.5 m ³ (9,80 to 12,4 yd ³)
Empty weigh	17 500 kg
Volume S.A.E Heaped STD	7.5 m ³
Volume S.A.E Struck	6.7 m ³
Discharging time	14s
Energy	Diesel Water Cooled
Power	164kW@2200rpm or 175kW@2300rpm
Tires	14.00R24
Electric system	24V

*Data in mm



MINETRUCK



T500D

DIESEL

- AIR COOLED TIER 3
- LISOD POWER FRAME & COMPONENTS
- HEAVY DUTY ARTICULATED FRAME
- OSCILLATING AXLE
- AUTOMATIC TAIL GATE
- SIDE SEAT OPERATOR

T500B

BATTERY

- QUICK REPLACEMENT SYSTEM
- EMISSION 0% CO₂
- FITS L40B PARTS



*Data in mm

MAIN SPECIFICATIONS

	T500D	T500B
Capacity	4200 kg	4200 kg
Dump box	1.90 to 2.30 m ³ (2,49 to 3,01 yd ³)	1.90 to 2.30 m ³ (2,49 to 3,01 yd ³)
Empty weight	4800 kg	5100 kg
Loaded weight	9000 kg	9300 kg
Speed	11 km/h	8 km/h
Power	50 kW	25 kW
Tires	8.25R15	8.25R15
Electric System	12V	24V



T180 1C

DIESEL

18 T CAPACITY

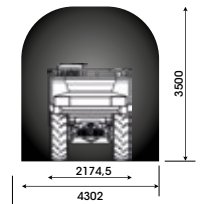
T180 1XC

DIESEL

20 T CAPACITY

MAIN SPECIFICATIONS

	T180 1C	T180 1XC
Capacity	18 000 kg	20 000 kg
Dump box	8.5 m ³	9.5 m ³
Power	164kW/220HP @2200rpm	190kW/260HP @2200rpm
Energy	Diesel Water Cooled	
Tires	16.00R24 deeplog type for mining application	
Electric system	24V	



Scan this QR code to access all our product documentation and the detailed technical specifications of our machines

REMANUFACTURING PROGRAM

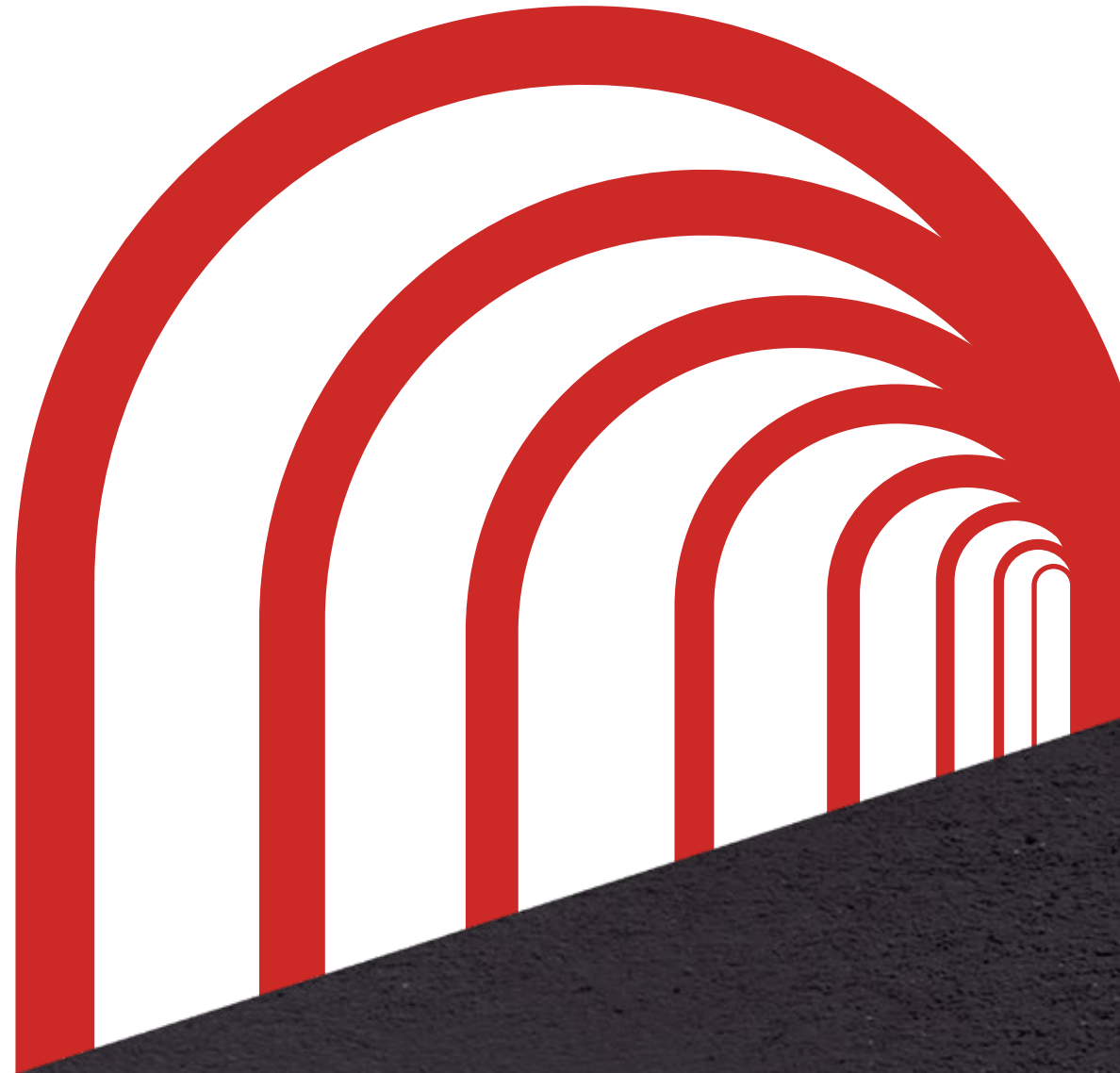
It was in the 1990s that Aramine launched this activity to provide new solutions for its industry: competitive machines with short lead times, while preserving their old fleet.

After almost 30 years of experience, Aramine has the specific expertise to produce high-quality machines at a competitive cost. The process has been industrialised to support this activity and expand it in response to strong demand.

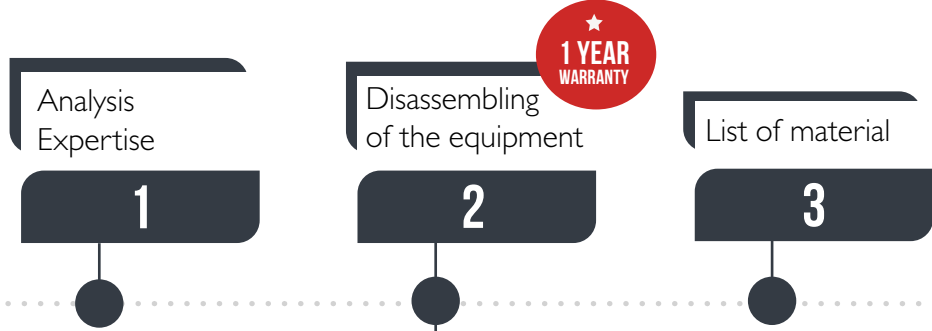
Key benefits of our remanufactured machines:

- Remanufactured on the book, following OEM specifications
- Latest engineering design and performance upgrades included
- Spare parts & components from genuine factories or remanufactured components
- Same performances as original machines
- International warranty

**NEW BUSINESS
SOLUTIONS:
RECYCLING**



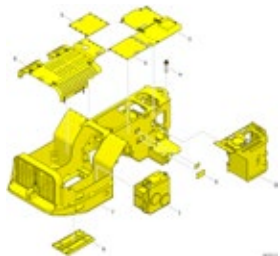
QUALITY CHART ARAMINE APPROVED PROCESS



CHASSIS & STRUCTURE

GENERAL

- Machine fully disassembled
- Sandblasted pieces
- Inspect all weldments and repair as needed
- Inspect the thickness of all plates and repair as needed
- Repair or replace all damaged pieces
- New fasteners (bolts, nuts, washers...)
- Paint all the pieces separately with high quality polyurethane or epoxy



BOOM

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New boom stops



LOAD FRAME

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New boom and steering stops



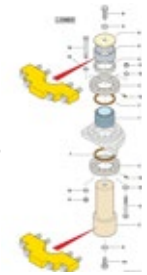
BUCKET

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- New blade and side cutter
- Adjust capacity to the customer's ore density
- Inspect and replace the wearing parts as needed



SWIVEL HINGE INSTALLATION

- Check all the bores, line boring if needed with insert
- New and genuine pins, bushing, sleeves
- Inspect lubrication lin
- Adjustment per manufacturer recommendations

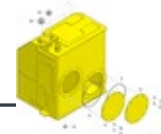


FRAME

- New and genuine pins, bushing, sleeves
- Repair rear axle oscillating area as required
- Repair damaged fenders, hoods, rear engine door and protections
- New or rebuilt Canopy (Rops/Fops if needed)
- Inspect and repair engine and transmission mounts
- Inspect and rebuild as needed the operator compartment

TANKS

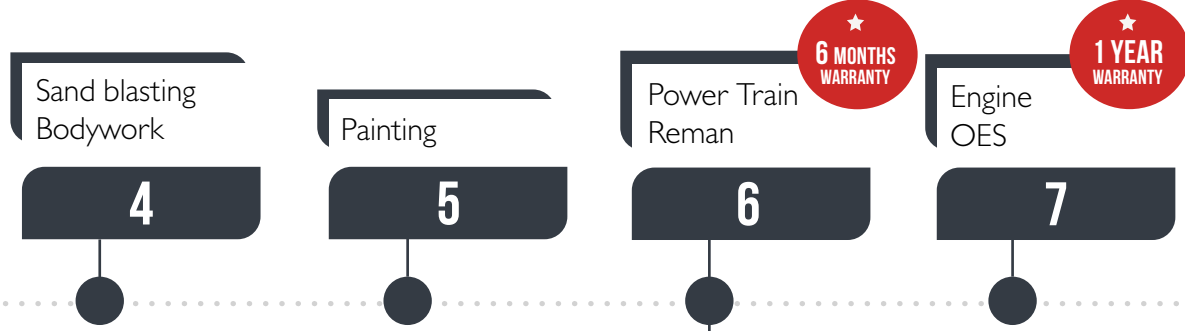
- Inspect, test and repair as needed 6 months warranty



⊕ Remanufacturing process

⊕ Technical documentations

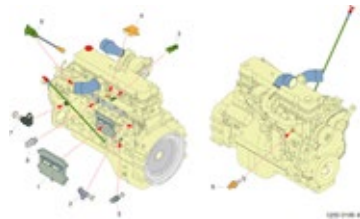
⊕ Start up and follow up



POWER TRAIN

ENGINE

- Standard Exchange engine
- Certification will be supplied by Aramine to attest that the engine has been rebuilt and bench tested by the original manufacturer
- Manufacturer international warranty
- Engine special customization, see options



ENGINE TO TRANSMISSION COUPLING

- New flexplate or other original coupling

INSTALLATION

- Replace all universal joints
- Inspect condition and replace if needed
- Balance driveline



AXLES

- Aramine standard exchange component
- New and genuine bearings, seals, and gaskets
- New fasteners and wheel studs
- Replace all worn or suspected parts, by genuine one (ring and pinion gears, planetary gears, axle shafts...)
- Brakes hydraulic test
- Complete axle assembly quality test



GEAR BOX

- Aramine Standard Exchange Component
- New and genuine bearings, clutch discs, seals, and gaskets
- Replace all worn or suspected parts, by genuine ones (gears, shafts, clutch supports, clutch drums...)
- Certification supplied to attest transmission rebuilt and bench tested



TORQUE CONVERTOR

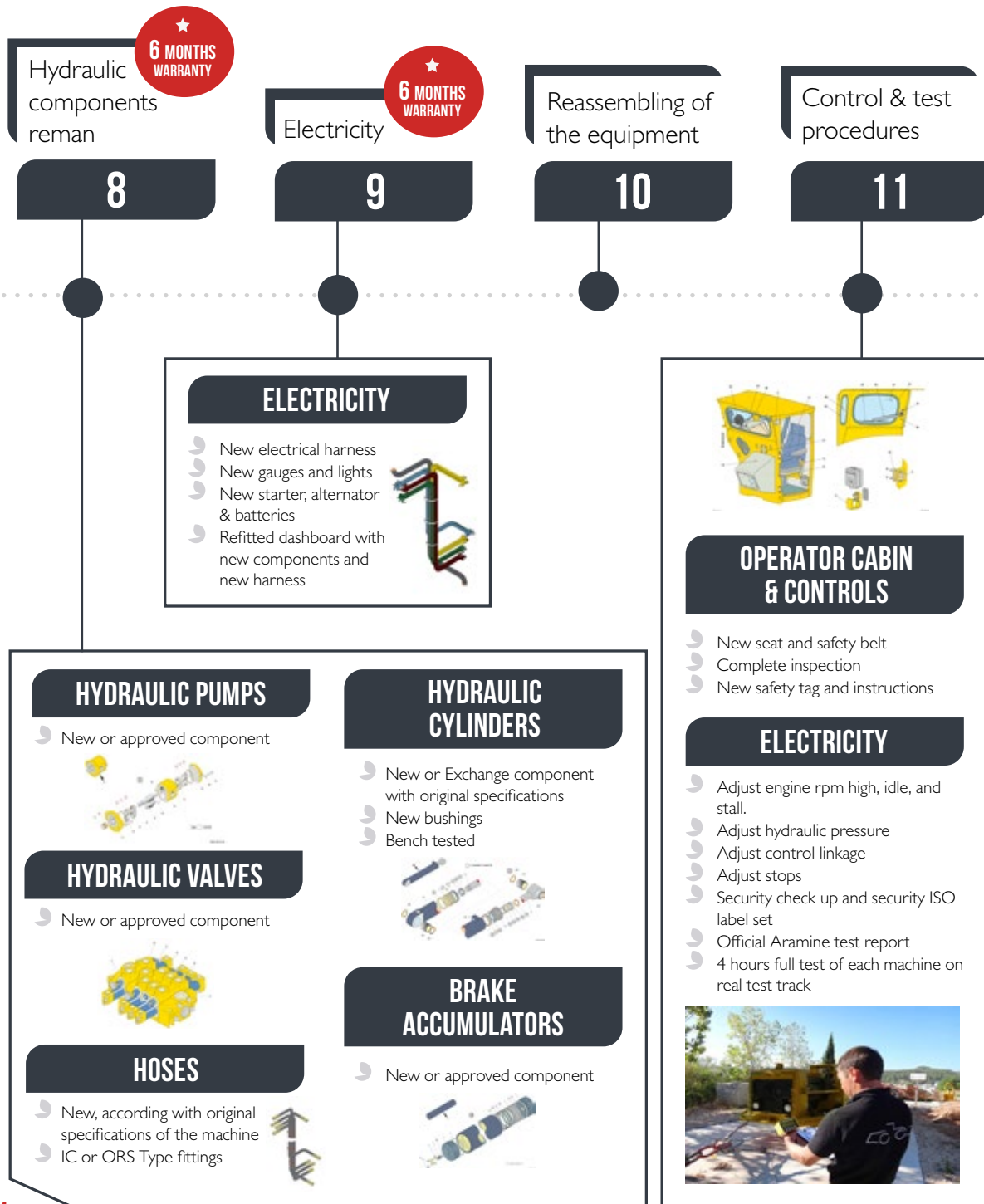
- Aramine Standard Exchange Component
- New and genuine bearings, seals, and gaskets.
- Tested on dynamometer test bench upon original specifications
- Certification supplied to attest torque convertor rebuilt and bench tested

TIRES

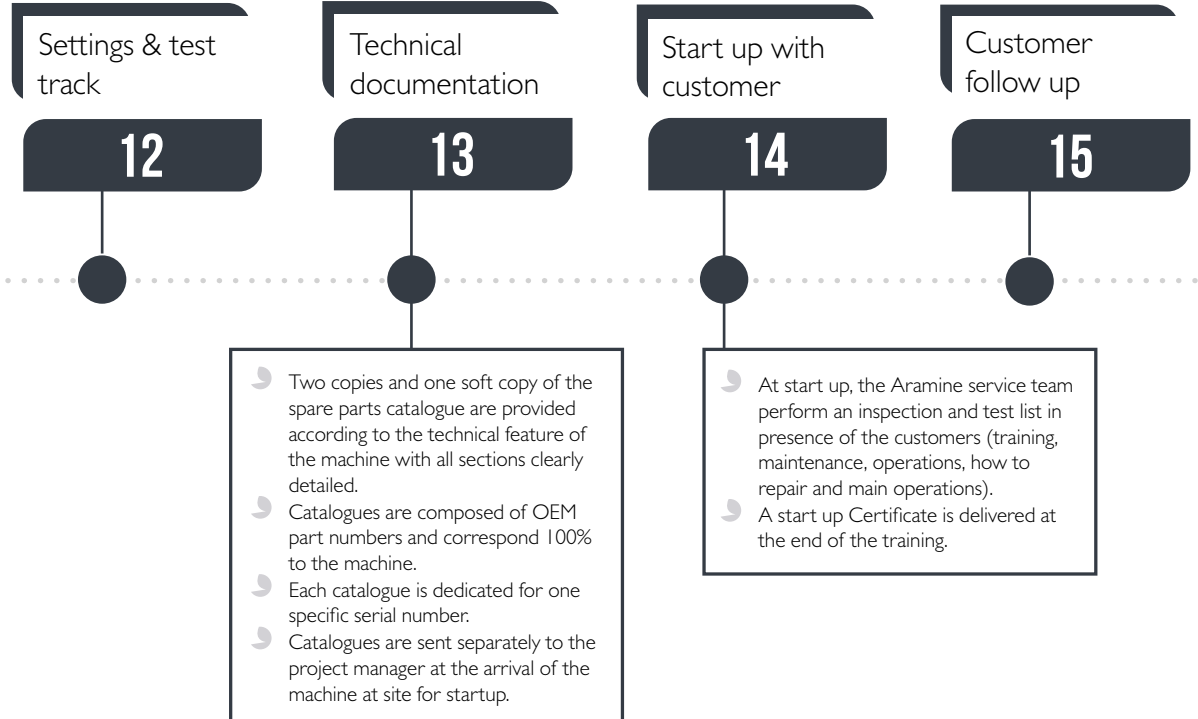
- New tires for Mining Application (Michelin X-Mine type or equivalent)



QUALITY CHART ARAMINE APPROVED PROCESS



⊕ Remanufacturing process ⊕ Technical documentations ⊕ Start up and follow up



ARAMINE INTERNATIONAL SERVICES

- Service kit for Aramine machines to facilitate on-site maintenance
- Large inventory of spare parts to reduce downtime
- High skilled multilingual technicians
- Trained service centers close-by
- Start up
- On site or factory trainings
- On site assistance (revision, maintenance, audit, coaching...)
- High tech equipment: an integrated microSD collects all data and analyses the machine functions, for ever more efficient maintenance

The best machines are nothing without our best technicians



SPARE PARTS AND COMPONENTS

For over 30 years, Aramine has been at the forefront of the industry as both a manufacturer and a remanufacturer.

This unique position has given us unparalleled access to the original factories of various manufacturers of other brands. We have leveraged this vast experience and expertise to provide our clients with a wide range of spare parts and components.

Aramine is proud to offer not only innovative machinery, but also a comprehensive service that ensures the longevity and efficiency of your operations. Our commitment extends to the supply of essential parts and components, enabling our customers to maintain their equipment at peak performance. We understand the importance of uptime in your operations and the cost-effectiveness of timely maintenance.

Thanks to our well-established network and expertise, we can supply the right components at the right time. What sets us apart is our ability to offer these parts at prices that challenge those of the original manufacturers. We believe in providing our customers with cost-effective solutions without compromising on quality or reliability.

THE RIGHT COMPONENTS AT THE RIGHT TIME

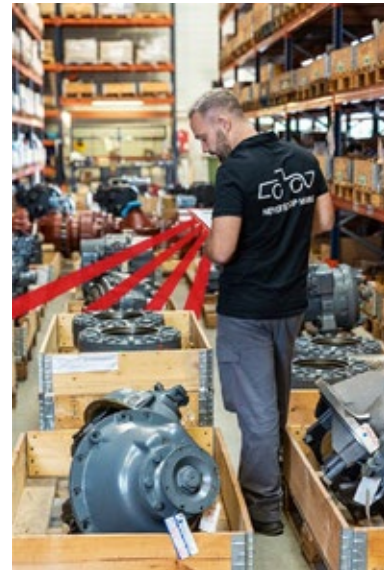


SmartParts
by Aramine

SPARE PARTS AND COMPONENTS

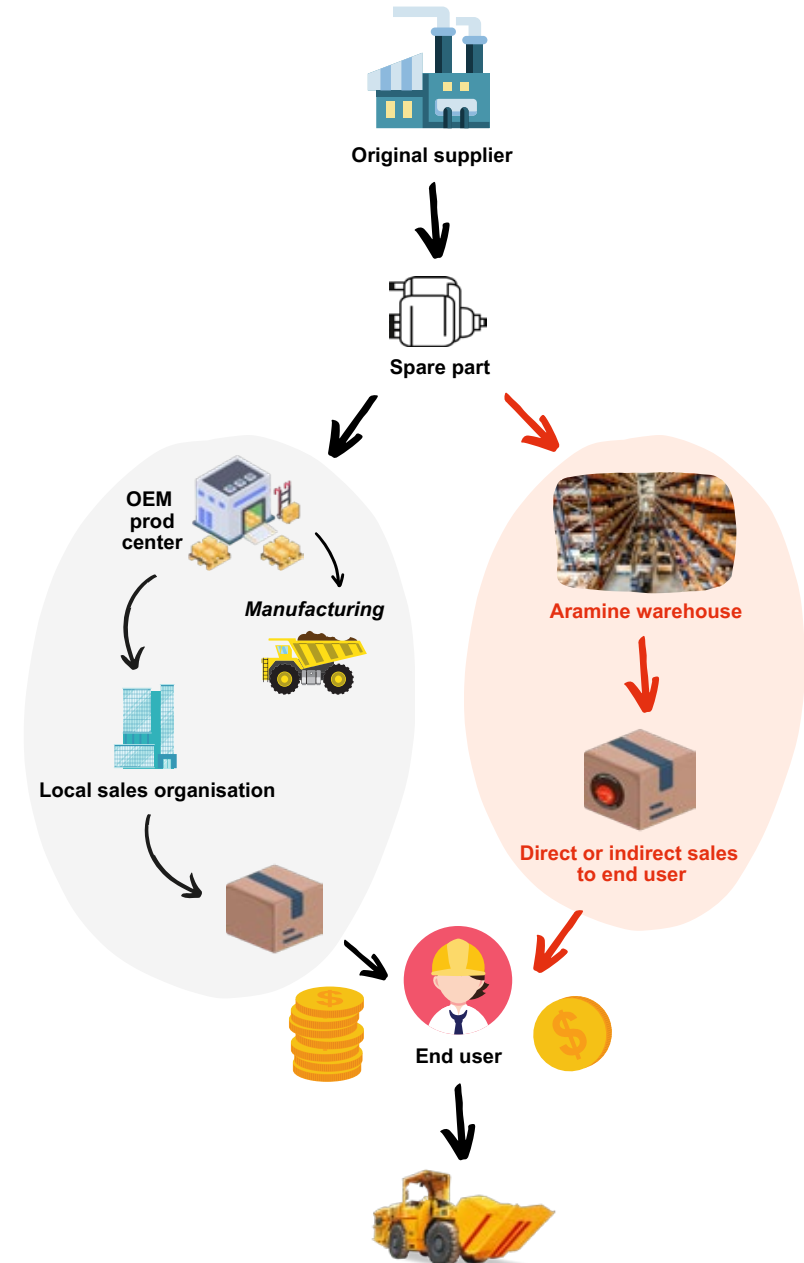
The widest range of spare parts & components for underground mining equipment.

- Logistic center of 6 000 m²
- 3 warehouses worldwide
- 1.500.000 computerised references
- 850.000 references available
- \$18 millions in stock

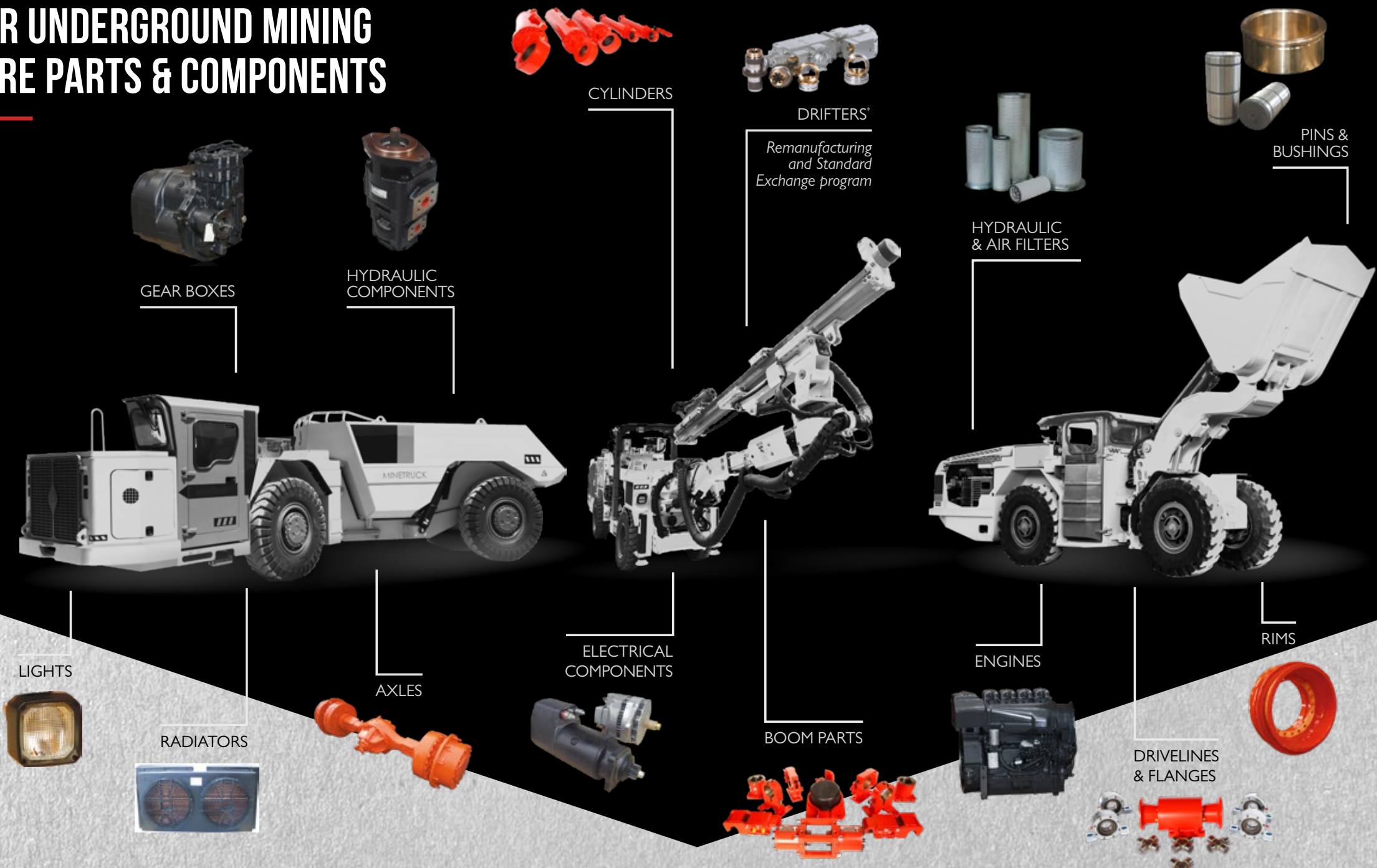


SMART PARTS ROAD MAP

The only SmartPart quality alternative compatible for underground mining equipment.



YOUR UNDERGROUND MINING SPARE PARTS & COMPONENTS



1,5 M REFERENCED GENUINE PRODUCTS



HIGH REACTIVITY



WORLDWIDE DELIVERIES

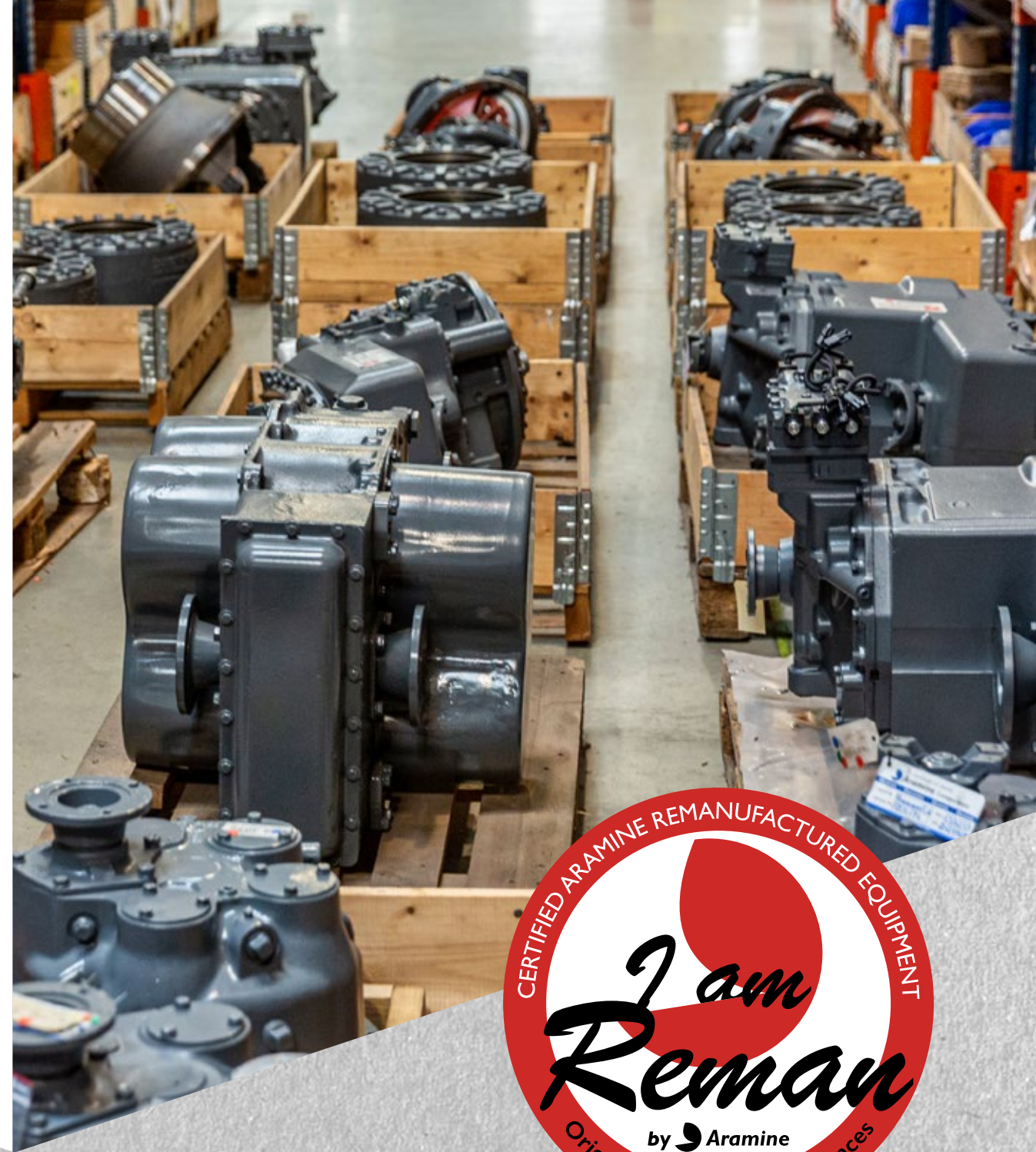


REDUCE MAINTENANCE COST

REMANUFACTURED COMPONENTS

3 levels of service to meet customer expectations:

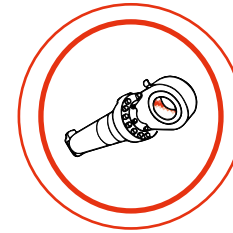
- Supply of remanufactured components
- Remanufacturing of your component
- Standard exchange of your component



HOW TO GET OUR PRODUCTS

E-SHOP: SHOP.ARAMINE.COM

Check the availability of your reference
in one click.



SEARCH YOUR
PART NUMBER
AMONG 1.5 M
REFERENCES



ORDER ONLINE
AND RECEIVE IT
WHEREVER
YOU NEED IT



CHECK OUR STOCK
FROM ANYWHERE IN
THE WORLD



WORLD WIDE SALES ORGANIZATION

 H E A D
OFFICE

 SUBSIDIARIES

 DISTRIBUTORS



**NEVER
STOP
MINING**



PAAP-BP 60205
158 rue Henri-Bessemer
13796 Aix-en-Provence
France

+33(0) 04 42 53 53 00
info@aramine.com
www.aramine.com
shop.aramine.com

