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NEODYMIUM MAGNETIC SWEEPERS

- for magnetic cleaning of metallic debris (FOD) for airports, roads, racing circuits, testing polygons, ports, parking lots, industrial zones, dumps etc.
- for systematic collection of dangerous objects, metallic dust and small sharp debris in areas with intense movement of vehicles and persons
- for application after maintenance of paved surfaces (sweeping, shot blasting, milling, grinding)
- for pavements with panels, grooving or damaged surface with micro-cracks or released expansion joints
- for unpaved surfaces (grass, gravel, other)
- **WE DELIVER MAGNETIC CLEANING SERVICES AT YOUR OPERATING AREAS**



SOLLAU MSA - NEODYMIUM SWEEPERS

Made in the Czech Republic

Unique design (MANUAL / AUTOMATIC)

GPS cleaning records

Working lane of 3 or 9 meters!



PARAMETER	TECHNICAL SPECIFICATION
Effective magnetic sweeping width	MSA 3000 GLADIATOR – 3 050 mm
	MSA 9000 GLADIATOR – 9 300 mm
Magnetic material	Neodymium permanent magnets
Heavy duty chassis	High quality components for reliable operations in any weather conditions
Universal use	Connection to car, tractor or wheel loader
Unique design	Powerful easy to use sweeping equipment with common civil and military customizations
MSA – M 3000 MSA – M 9000 manual versions	Manual control of functions Reinforced chassis LED lights and stroboscopic lamps in standard
MSA – (R) AC 3000 MSA – (R) AC 9000 automatic versions	Modular system for upgrades after purchase Fully automatic functions (and remote control) of demagnetizing, lifting of magnetic housing and shifting of FOD containers “Full magnetic cycle”
Sweeping height	30 mm – 130 mm
Maximum speed	50 km / h
Maximum sweeping speed and width	Gladiator MSA 3000 – 45 km/h, 3 meters
	Gladiator MSA 9000 – 45 km/h, 9 meters (triple hitch)
Extraordinary magnetic sweeping performance	Up to 418 000 m ² per hour !!! The world’s greatest magnetic system capable clean the largest runways in just 2 hours !!

Knowledge
is power

Sollau MSA sweepes are same useful and important for operational safety as the conventional compact cleaning machines and other cleaning equipment.

No matter how powerful are the sweeping machines the airport or road operator has in use, we **strongly recommend** conductiong of regular magnetic cleaning of operational areas with intense traffic.

OUR MAGNETIC SWEEPERS ARE VERY EFFICIENT AND BELONG TO “FOD PREVENTION PROGRAM“ OF ANY AIRPORT OPERATOR”.

MAGNETIC CLEANING / SAVINGS AND SAFETY

Metal debris occurring on paved and unpaved surfaces poses a significant risk not only to aircraft engines (causing aircraft accidents) but also to tire damage.

Long - term studies have shown significant cost savings in case of regular use of magnetic surface sweeping equipment.

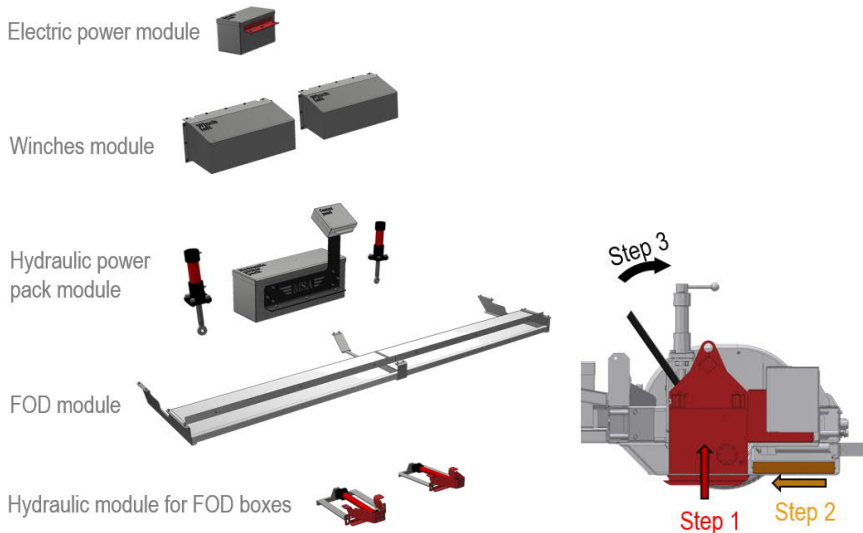
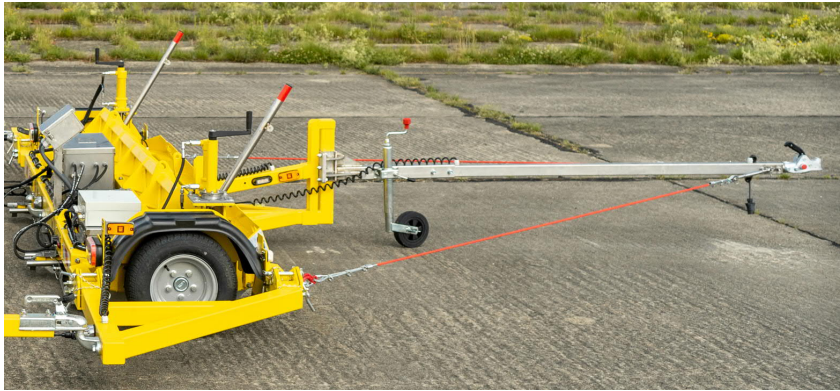
MSA 3000 - MANUAL SWEEPER

HEAVY DUTY DESIGN / SUPERIOR CLEANING POWER /
THE MOST POWERFUL NEODYMIUM MAGNETS



MSA AC 3000 – FULLY AUTOMATIC SWEEPER

MODULAR SYSTEM / DEMAGNETIZING IN 3 CYCLES WITH
COMPLETE REMOTE CONTROL FROM CABIN



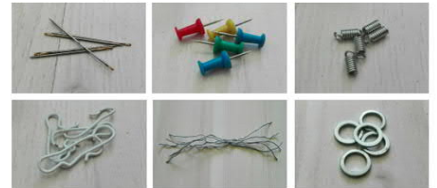
WHY ARE NEODYMIUM MAGNETS UNIQUE?

- „Neodymium” (Nd) is rare-earth metal giving the magnets extreme force / Because of “Boron” (B) component, the magnetic alloy can hold the attached objects longer and with greater reliability
- Neodymium magnets are the strongest permanent magnets in the world, about **10 times stronger than common ceramic magnets**
- Neodymium alloy (NdFeB) is patented and produced since 1984 by sintering of Neodymium, Iron and Boron

NEODYMIUM MAGNETS CAPTURE AND RETAIN FOR LONGER EVEN THE FINEST METAL IMPURITIES. THEREFORE, THEY ARE WIDELY USED, ESPECIALLY IN THE FOOD PROCESSING INDUSTRY IN SO CALLED MAGNETIC SEPARATORS - FOR SEPARATION OF METALS FROM LOOSE AND LIQUID MIXTURES.



GROUP 1 – LIGHT OBJECTS (1, 2, 3, 4, 5, 6)



GROUP 2 – OTHER OBJECTS (7, 8, 9, 10, 11, 12)

