

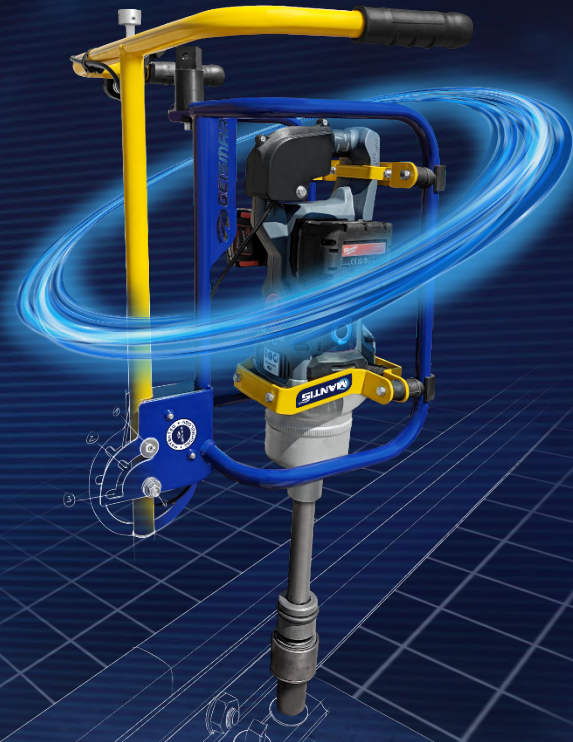
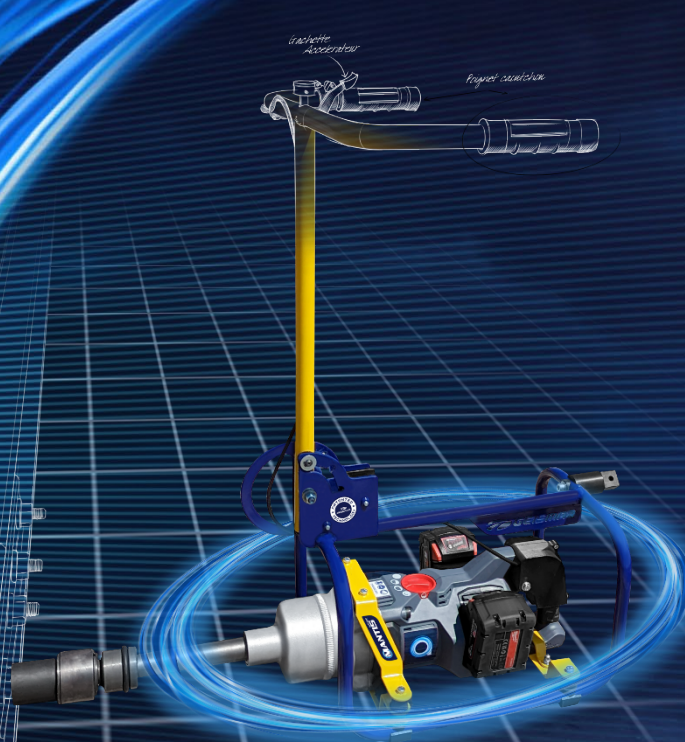
MANTIS

BATTERY-POWERED IMPACT WRENCH



*Portable electric impact wrench
from the Activion range*

BATTERY
TECHNOLOGY



*The most powerful rail impact wrench on the market
Low hand/arm vibration levels
Patented device with optimized ergonomics*



activion[®]
systems

GEISMAR[®]
Rail Industry Technologies & Services

Your benefits

- A self-contained battery-operated impact wrench
- Very low vibration level (up to 4.2 m/s²) allowing working times of over 8 hours thanks to its chassis mounted on shock-absorbing blocks
- Easy to transport due to its low weight
- The most powerful rail bolting machine on the market
- 3-position torque adjustment
- Swivel arm for working in a standing position
- 2 LED work area lights



- ① Optimum ergonomics
- ② Impact mechanism developing up to 4,000 N.m on release
- ③ Ergonomic proportional control
- ④ Rotation direction switching and torque limiter
- ⑤ Locking/unlocking button on the operating arm
- ⑥ 2 batteries
- ⑦ Anti-vibration chassis



The benefits of Activion technology

- Ideal for work in confined spaces such as tunnels and underground railways
- Greater comfort of use thanks to reduced vibrations of < 5m.s² at the handles

Key features

Maximum breakaway torque unscrewing	4,000 N.m
Adjustable screwing torques	200 / 550 / 3000 N.m
Socket Drive	1" - 25.4 mm
Voltage	36 V (2 x 18 V)
Number of batteries in use	2
Battery capacity	432 Wh (2 x 12 Ah) 288 Wh (2 x 8 Ah)
Autonomy on unjammed bolts and screws in concrete sleepers	900 cycles with 2 x 8 Ah batteries 1400 cycles with 2 x 12 Ah batteries
Autonomy on jammed bolts and screws in wooden sleepers	230 cycles with 2 x 8 Ah batteries 350 cycles with 2 x 12 Ah batteries
Recharge time	≈ 45 min
3 rotation speeds	500 / 540 / 890 rpm
Dimensions in running order (L x W x H)	760 x 535 x 840 mm bolting 780 x 535 x 385 mm lathing
Mass in working order	≈ 21.3 kg with 2 x 12 Ah batteries ≈ 20.5 kg with 2 x 8 Ah batteries
Mass without battery and socket	18.3 kg
Battery weight	12 Ah: 2 x 1,5 kg 8 Ah: 2 x 1.1 kg
Protection class	IP56
Operating temperatures	-18 to 50°C
Hand-arm vibration level	• Vertical use 2.6 m/s ² • Horizontal use 4.2 m/s ²
Noise level	Lp = 85 dB(A) Lw = 98 dB(A)

Kit composition

N08069 N08208

1 MANTIS portable bolting machine with anti-vibration chassis and swivel arm **ST661L01** *

• •

2 x 12 Ah batteries **ref RNE** *

•

2 x 8 Ah batteries **N08329** *

•

1 dual 220 V charger with adapters of plugs 100 countries **N08067** *

• •

Service tools - Without sockets

• •

* Elements available separately from kits

Consumables and accessories

- Sockets*
- 1" drive reducer to enable the use of 23 mm drive sockets and the ball mounts used with Geismar coachscrewing machines **N03846**
- Graffenstaden drill bit holder for drilling sleepers **N02820**
- Universal joint 1"/1" for horizontal use of the machine with low obstacles **N02785**
- Support trolley with 3 rollers, track 1,435 mm*
- **LIFE+PACK** Wear & Tear Kit **KUMANTIS-01**



* Other track gauges available