

TITAN_{4.0}





DEMACLLENKO

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TITAN 4.0

ENERGY EFFICIENT UNBEATABLE PERFORMANCE LONGEST THROWING RANGE

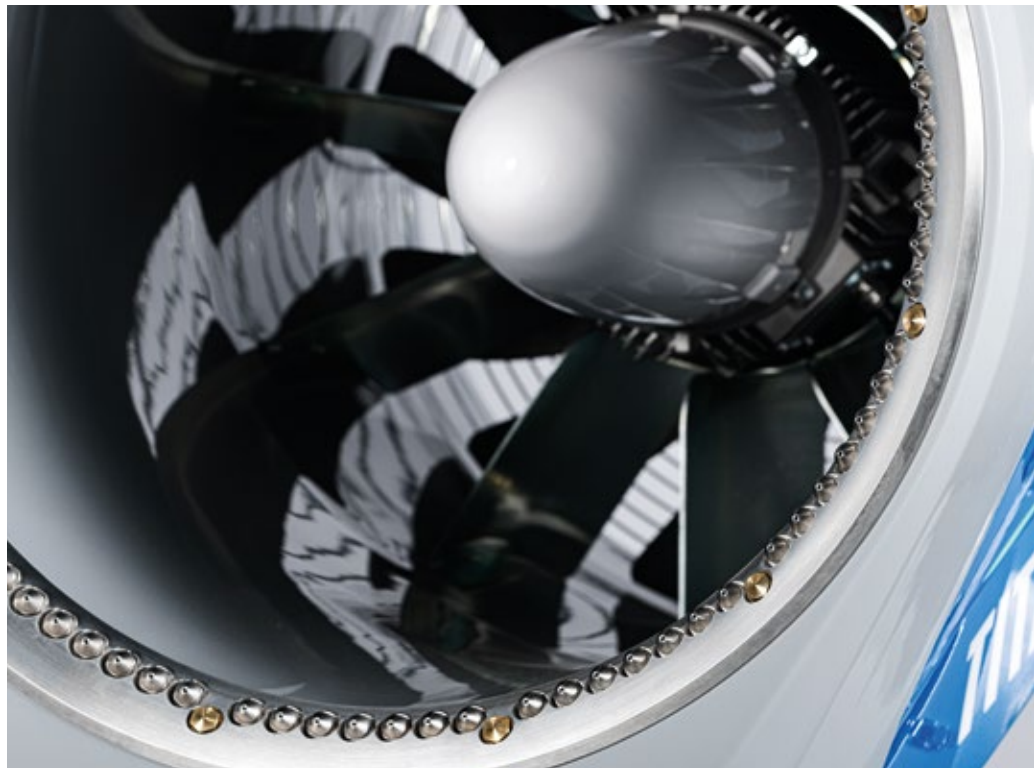
The new **TITAN 4.0** combines uncompromising functionality and ease of operation with top-notch services and high quality design. It underlines once again DEMACLENKO's position as a leader in innovation and technology in the realm of snowmaking, and wins through its outstanding snow quality, efficient energy consumption and minimal maintenance costs.

- 1 SNOW PRODUCTION UP TO **120 m³/h AT ONLY 23 kW** POWER CONSUMPTION
- 2 **INDUSTRY LEADING SNOW PRODUCTION AT HIGHEST MARGINAL TEMPERATURES**
- 3 **EXCELLENT DESIGN BUILD QUALITY** FOR FUNCTION AND ENERGY EFFICIENCY
- 4 **EQUIPPED FOR HIGH ELEVATION HELICOPTER POSITIONING** WITH MINIMAL COMBINED WEIGHT AND COMPACT CONSTRUCTION
- 5 EQUIPPED WITH THE **LATEST HIGH PERFORMANCE ELECTRONICS** AND LOCAL 7" TOUCH SCREEN CONTROLLER OPERABLE EVEN WHILE WEARING GLOVES
- 6 **SNOW GUN ATTACHED SUB-ASSEMBLY LIFTING DEVICE** FOR SAFE AND EASY TRANSPORT BY SNOW GROOMER



TITAN_{4.0}

THE MOST
POWERFUL
SNOW GUN ON
THE MARKET





TITAN 4.0 DETAILS

OVERVIEW

- > DEMACLENKO designed chassis with adjustable feet for easy and safe positioning on any terrain
- > Snow gun frame mounted Lifting device for safe and easy equipment transport by snow groomer
- > Compact minimal weight construction equipped for helicopter high elevation placement if desired
- > New geometry of fan blade and barrel wing as well as quiet design compressor for reduced noise emission
- > Aluminum nozzle ring
- > Water module integrated in nozzle ring
- > Stainless steel H2O nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Automatic or manual height adjustment 0° and 45°
- > Oil free compressor
- > Three-color LED indicator lamp integrated in outer cowling
- > Force ventilated weather station
- > Easy access bulk water filter

AUTOMATIC FUNCTIONS

- > Fully automatic snow production when operated in a network or in isolation
- > Programmable oscillation from 10° to 330° also with automatic barrel height adjustment available
- > Wind-tracking function integrates with SNOWVISUAL control software (applies to tower- and inclined-elevator-mounted snow guns)
- > 7" color touchscreen showing water temperature, pressure, water flow, snow quality, air temperature, humidity, electrical consumption as well as statistical data
- > DEMACLENKO Snowvisual control software available in different languages

DLC 4.0 - THE NEW DEMACLENKO CONTROL CABINET

- > Proven weatherproof DEMACLENKO touchscreen display operable with gloves
- > Standard operation via Wi-Fi with a smartphone, tablet or laptop
- > Current-monitored power outputs and surge protection
- > Power electronics designed for 380V/400V/480V and 50Hz/60Hz*
- > Instant availability of operating data and project maintenance plans including diagnostics and remote service interface
- > Indication of the current direction as well as real-time current measurement
- > Integrated interface for software update via Ethernet, Wi-Fi or RS485

*Other voltages available upon request





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TECHNICAL DATA



TITAN 4.0	AMK	ATK2 (AT2) ATK3 (AT3)	ASK4 (AS4) ASK6 (AS6)
Height	2.515 mm	3.810 mm 4.560 mm	5.830 mm 7.780 mm
Length	1.890 – 2.130 mm	1.830 mm	2.170 mm 2.290 mm
Width	1.860 – 2.260 mm	1.250 mm	1.250 mm
Weight fan gun	775 kg	603 kg (545 kg)	603 kg (545 kg)
Weight tower/winch tower		90 kg 105 kg	449 kg 558 kg

PERFORMANCES

Operation water pressure	8 – 50 bar
Maximal water flow	12 l/s
Maximal snow production	120 m ³ /h
Throwing range	80 m

ELECTRICAL CHARACTERISTICS

Voltage	380 / 400 / 480 Volt**
Fan	18,5 kW
Compressor	4 kW
Heating, lights and small consumers (average)*	1 kW*
Total input power*	23 kW*
Frequency	50/60 Hz
Connection plug	63 A

MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	84
Swinging range	360°
Automatic swing	10°-330°
Barrel inclination	0°-45°
Connection water	2"
Water filter	250 μm

*At dew point of -10 °C | **Other voltages available upon request | () With central compressed air supply

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