

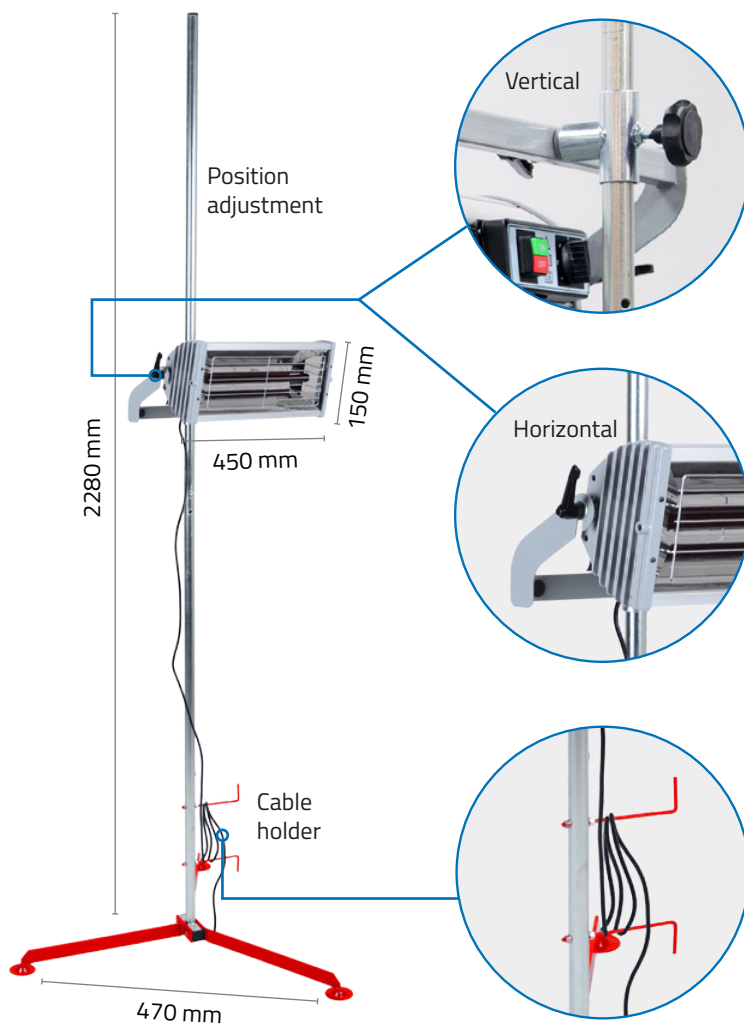


NTools

EN

• **NTools FDS 1000**
Fast Dry System with Time Control (1kW)

FDS 1000 is fitted with a single adjustable lamp that enables drying car body surface and elements of mode cars. The heating module may be positioned both vertically and horizontally. System is provided with time control and automatic shutoff function.



Time controlled function with auto shutoff

APP No. 190279

Technical Data	
Model	FDS 1000
Power	Single phase 220V, 50/60Hz
Input Power	1 x 1000W
Dry surface	800 x 500mm
Temperature	30-80oC
Time control	Manual 0-60 min.
Power control	No
Cassette size	450 x 150 mm
Dimensions	470 x 470 x 2280 mm

FDS 1000 PLUS filament bulb is available as a spare part under APP No. 190293



NTools No.	Product name	Dimensions	Qty
190279	NTools FDS 1000 Fast Dry System with Time Control (1KW)	470 x 470 x 2280 mm	1 szt.



NTools

EN

• NTools FDS 1000 Fast Dry System with Time Control (1kW)

Advantages of NTools FDS 1000:

- High quality of surface
- Immediate operation: total power within a few seconds
- Cleanness: no side effects and contaminations emitted by lamps
- Safety: thermal shock resistance of lamp thanks to quartz envelope
- Cost-efficiency: over 85% of consumed energy converted into infrared radiation
- Time controlled drying within range 1 to 60 minutes
- Durability of filament bulb- lamp service life up to 2500h
- Compact design

OTHER AVAILABLE NTOOLS FAST DRY SYSTEMS



- 1 **FDS 2000 Plus Fast Dry System** - fitted with two lamps with ensured control and large range of adjustment as well as telescopic boom that enables drying of any car body surface, including roof and bonnet. The heating module may be positioned both vertically and horizontally. Power and time is controlled with an electronic control panel.



- 2 **FDS 4000 Fast Dry System** – fitted with a single cassette including four lamps 1000W. Designed layout of lamps ensures even temperature distribution. Power and time is controlled with an electronic control panel.

Technical Data of Products

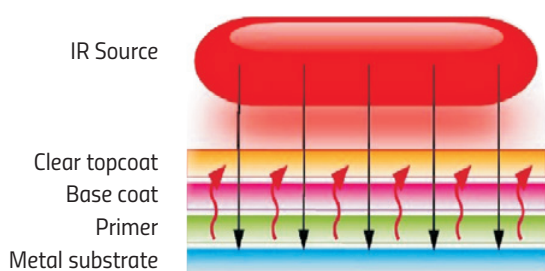
APP No.	190280P	190282
Model	FDS 2000 Plus	FDS 4000
Power Supply	single phase 220V, 50/60Hz	single phase 220V, 50/60Hz
Input Power	2 x 1000W	4 x 1000W
Dry surface	1000 x 800 mm	1200 x 1000 mm
Temperature	35-80°C	40-80°C
Time Control	0-99 electronic	0-99 electronic
Output Control	od 10 do 100 (%)	od 10 do 100 (%)



NTools

• **NTools FDS 1000**
Fast Dry System with Time Control (1kW)

Fast Dry System is fitted with high quality reflectors and quartz radiators emitting short infrared waves. Thanks to these short waves infrared radiation penetration to the base of material is possible what prevents heating air around the lamp and dried object.



The first phase after contact with metal includes heat release that ensures hardening of the material from inside toward surface. Thanks to this process drying begins in deepest layers and follows evenly through the whole coat. Additionally even solvent evaporation is provided what eliminates risk of trapping.

This method eliminates in practice coating flaws and accelerates hardening of products used during works related to paint coat repairs. FDS ensures quick and cost-efficient drying of basecoats, fillers as well as clear and top coats. The following table specifies drying times for different substrates.

Material Type	Approximate Drying Time		
	IR FDS	Painting Booth	Natural Drying *
Filler	6 - 7 min.	10 - 20 min.	ca. 30-60 min.
Pimer	5 - 10 min.	15 - 25 min.	ca. 25-30 min.
Undercoat	10 - 15 min.	30-45 min.	ca. 240 min.
Acrylic coat	15 - 20 min.	30-45 min.	ca. 240 min.
Clear coat	15 - 20 min.	30-45 min.	ca. 240 min.

*Natural drying relates to drying without use of any devices. Drying time depends on air temperature.

Use of NTools FDS 1000:

- Machine shops and tunnel drying
- Paper drying
- Ink drying and screen printing
- Wood drying before coating in terms of heat sterilization

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190279	NTools FDS 1000	Fast Dry System with Time Control (1KW)	470 x 470 x 2280 mm	1 szt.