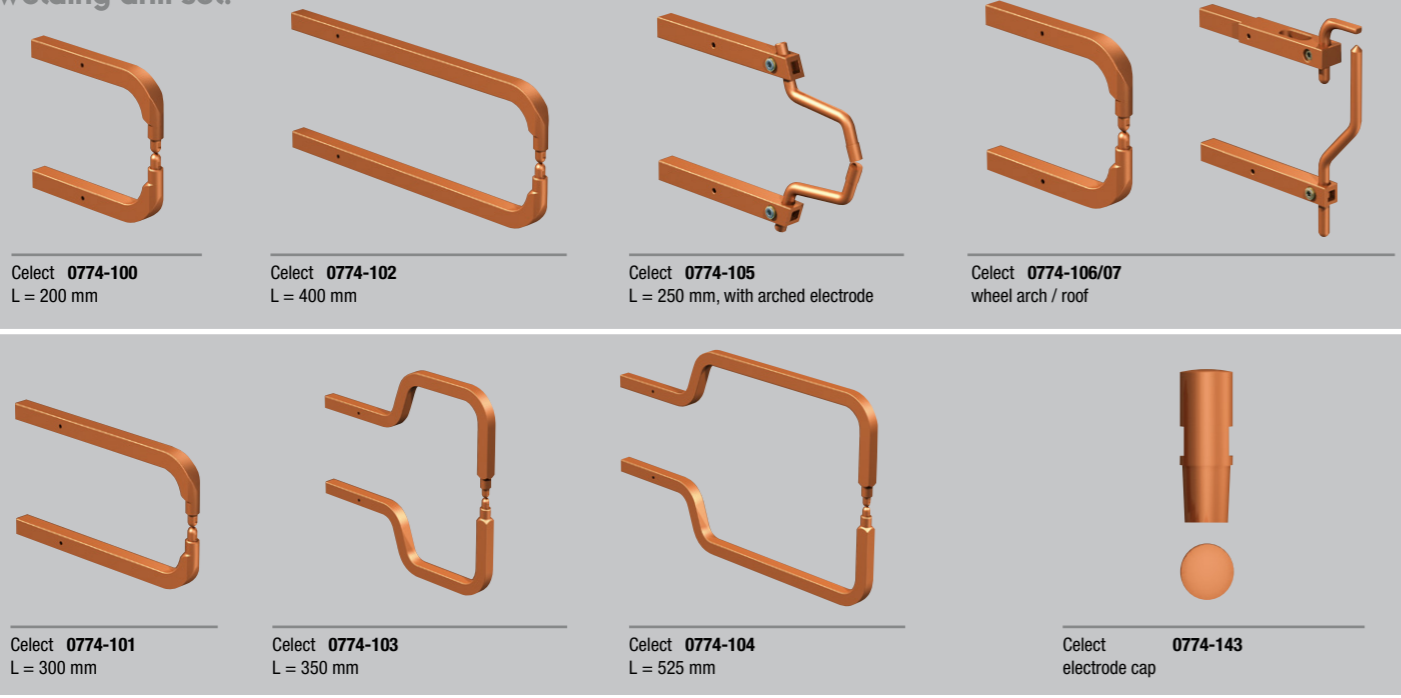


Welding arm set:



Celect **0774-100**
L = 200 mm

Celect **0774-102**
L = 400 mm

Celect **0774-105**
L = 250 mm, with arched electrode

Celect **0774-106/07**
wheel arch / roof

Celect **0774-101**
L = 300 mm

Celect **0774-103**
L = 350 mm

Celect **0774-104**
L = 525 mm

Celect **0774-143**
electrode cap

Technical data **PROTON i+ DIGITAL**

Supply voltage	3 x 400 V (3 Ph)
Frequency inverter	Impulse frequency
Max. welding current	12,000 A DC
Max. welding output S _{max}	114 kVA (at max. 12 A DC)
Dimensions l/w/h (without trolley)	690 / 290 / 475
Weight (without trolley)	58 kg
Mains fuse protection	min. 32 A max. 63 A
Regulated welding current	12 kA
Open circuit voltage	16 V
Insulation class	I.Cl.F
Protection class	IP 21
Cooling	AF water-cooling

Spot welding tongs pneumatic / water-cooled

Celect Easy II, electrode pressure	500 daN at 6 - 8 bar
Welding cable / length	150 mm ² / 2.8 m
Operating pressure	6-10 bar
Optional pressure booster, only necessary with workshop compressed air < 6 bar	
Electrodes	12 / 14 mm

Cable sets water-cooled

Gun cable / length	150 mm ² / 2.30 m
	optional 150 mm ² / 2.80 m
Earth cable / length	150 mm ² / 2.30 m
	optional 150 mm ² / 2.80 m

Scope of delivery

- Digital inverter spot welding machine with spotter function
- Trolley
- Cable holder / balancer
- Spot welding tongs: pneumatic, water-cooled, Celect Easy II
- Gun and earth cable 2.30 m, water-cooled
- FK 4,000 R water-cooling system
- Pull hammer
- Welding arm set incl. electrode caps, water-cooled, consisting of Art. No.: 0774-100, 0774-102, 0774-105, 0774-106/07

Online Service-Center incl. www.fan-austria.com

- #### Servicebox including
- Plug-in electrode, carbon-shrinking electrode, shrinking electrode, spare electrode caps, pick-up heads and washers, studs, T-pins

Accessories

- Optional pressure booster, only necessary with workshop compressed air < 6 bar

Special accessories

- Celect C-Form hand spot welding tongs

Retrofitting set

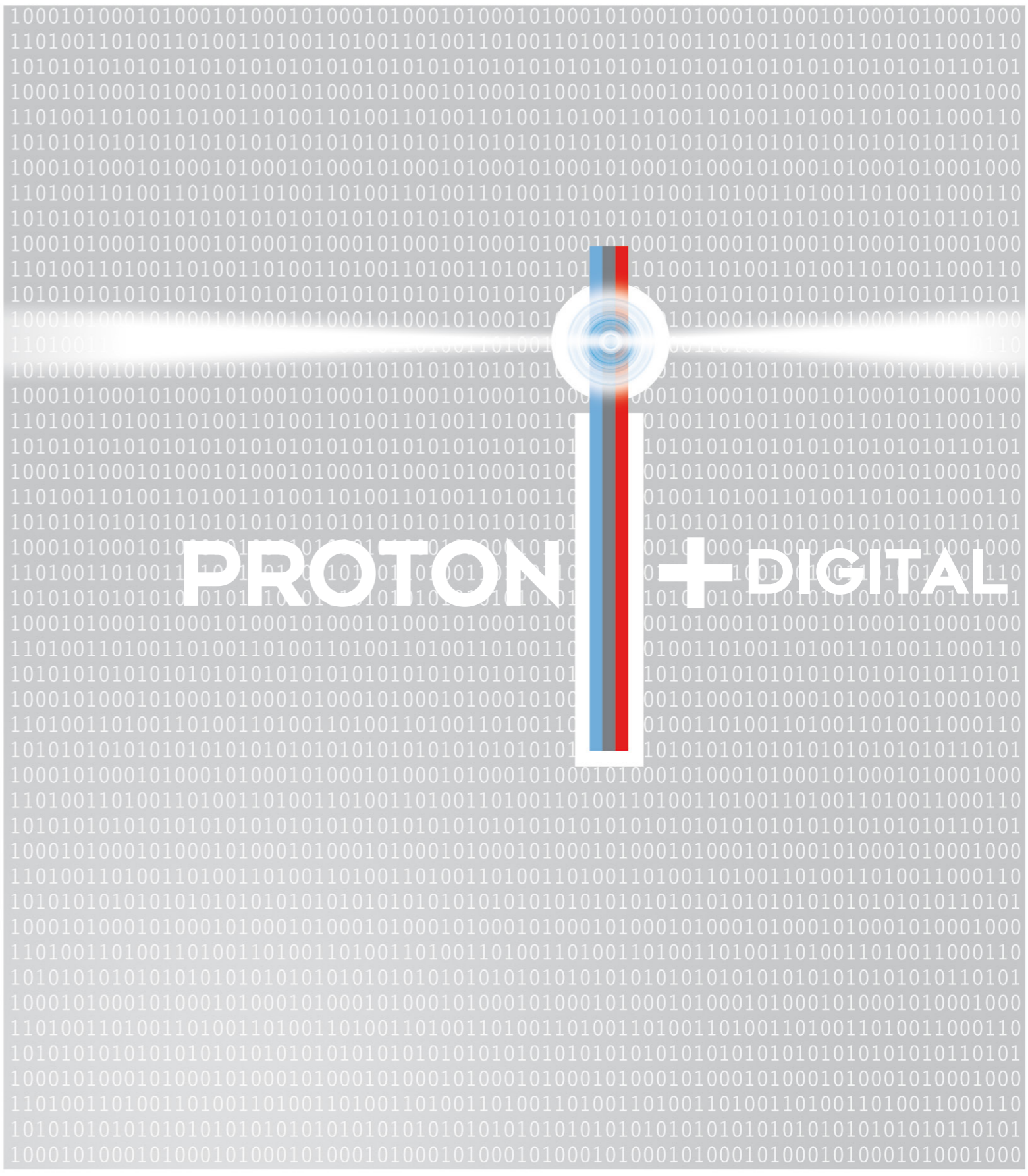
- For existing PROTON i/i+ spot welding sets**
Tech. installation on the spot, scope of delivery: user panel PROTON i + DIGITAL, software package + online service center
Celect Easy II hand spot welding tongs, pneumatic / water-cooled

Dealer:

FAN AUSTRIA GMBH
Spot welding & auto body repair technologies
Boschstraße 45, 4600 Wels, Austria
Phone +43 (0)7242 - 444 32
office@fan-austria.com
www.fan-austria.com

FAN 36
months warranty
* FAN 36-month warranty on inverter, transformer, diodes and user panel

The right to make technical changes is retained.



PRECISE SPOT WELDING OF MULTIPHASE STEELS (E.G. DUAL, TRIP, BORON STEEL, BDK), MATERIALS WITH DIFFERING THERMAL CONDUCTIVITY LEVELS, HIGH-STRENGTH MOULD HARDENED COMPONENTS AND COATED SHEETS.

FAN 36*
months warranty

DESIGNED, TESTED AND PROVEN FOR THE AUTOMOTIVE INDUSTRY



INTELLIGENT PARAMETER MANAGEMENT FOR PROCESS SECURITY
SOFTWARE UPDATES + ONLINE SERVICE CENTER FOR FUTURE SECURITY



PROTON I+ DIGITAL 12 000 A*

HIGH-PERFORMANCE INVERTER, DIGITAL SOFTWARE CONTROL, PERMANENT SPOT WELD MONITORING WITH AUTOMATIC PARAMETER READJUSTMENT, SECURITY OF INVESTMENT THROUGH UPDATE FUNCTION, SUPERIOR WATER COOLING CYCLE MODULE, SIMPLE OPERATION, ERGONOMIC, WORKSHOP-FRIENDLY DESIGN.

→ *) Actual, continuous output at the electrode tip during permanent operation. Measured and confirmed during practical and load testing.

THE SUPREME ADVANTAGE: maximum productivity and efficiency through especially **LONG RUNNING TIMES**. Overheating is impossible! The precise cooling of the entire device right up to the electrode tip plays a major role in the quality of the welding spot and guarantees long electrode life.

CONSISTENT AND SECURED WELDING IN CONTINUAL OPERATION

Consistently high welding current power is guaranteed by the high-performance inverter (as used in car assembly) and prevents drops in performance! Buffer circuit compensation immediately levels out any mains current falls.

TIME SAVINGS AND SECURITY OF INVESTMENT

The preset parameters from the automotive manufacturer can be called up via the digital software control using the memory key. Plant time and energy frequencies for differing materials can be reprogrammed at any time by means of a simple update (www.fan-austria.com: Service-Center).

INTELLIGENT ADJUSTMENT

Permanent, digital weld spot monitoring automatically identifies any resistance fluctuations and disruptive factors (e.g. paint residues, adhesive, low pressure, or electrode soiling) and reacts with automatic welding parameter adjustment. This guarantees a continuous working process and uniform quality from the first to the last spot weld.



THE FUTURE OF AUTO BODY REPAIR SOLUTIONS WILL BE DETERMINED BY NEW COMBINATIONS OF MATERIALS IN CAR ENGINEERING.

"The weld spot must be of the same quality as that achieved on the car production line." This binding criterion constitutes the unique strength of the FAN **PROTON I+ DIGITAL** generation.

PROTON I+ DIGITAL