

# FRIAMAT basic eco

## Fusion unit without documentation function

Powerful universal fusion unit FRIAMAT basic eco

Toroidal transformer technology with active cooling

- Bright colour TFT display
- With mini-scanner or 1D/2D scanner (2D barcodes according to ISO 12176-5)
- Extra long fusion cable (4 m)
- Extra long power cable (5 m)
- Weight approx. 18.0 kg

**Note:**

Possibility of updating the FRIAMAT software via the USB interface by the user.



Reference	Short text	Weight [kg]	BX	Pallet quantity
611120	With mini scanner	19,900	1	4
614120	With 1D/2D scanner	19,900	1	4

Technical data 1)	FRIAMAT basic eco 2)
Type of device	Universal fusion unit without documentation function
Model with mini scanner	Order no. 611120
Model with 1D/2D scanner	Order no. 614120
Maximum diameter	Up to d 1200 3)
Input voltage section	AC 190 V - 250 V
Frequency range	44 Hz ... 66 Hz
Current consumption	AC 16 A maximum
Power	3.5 kW

# FRIAMAT basic eco

## Fusion unit without documentation function

Unit fuse	16 A sluggish
Welding tension	8 - 48 V
Output current	maximum 110 A
Welding current monitoring	Short circuit and interruption
Barcode type	1D-Code 2/5 interleaved; 2D-Code (QR; Aztec; Data Matrix) according to ISO 12176-5
Interface	USB
Documentation of fusion data	no
Documentation of traceability data	no
Data memory	no
Log format	-
Manual emergency barcode input	yes
FRIAMAT preCHECK function	yes
Software update via USB interface	-
Fusion-Pass	-
Supervisor-Pass	-
Start/stop pass for remote control	optional (order no. 624003)
Working temperature range	-20 °C ... +50 °C
Language variants	23
Connection cable	5 m with contour plug
Fusion cable	4 m with connection plug Ø 4 mm
Weight	approx. 18 kg
Dimensions W x D x H	260 x 500 x 340 mm
Casing	Protection category IP 54 / protection category I
Approval / quality	CE, ISO 9001, WEEE-Reg.-No. DE 49130851, RoHS, REACH
Accessories	Operating instructions, transport box

<sup>1)</sup> Subject to technical modifications.

<sup>2)</sup> From year of construction (Q2/2021)

<sup>3)</sup> With the FRIAMAT basic eco, FRIALEN and FRIAFIT safety fittings up to d 900 can be fused in the entire working temperature range from -20 °C to +50 °C.

Utilising processing fittings from other manufacturers is possible even up to d 1200 and possibly larger. However, the specific power requirement of the fitting at the prevailing processing temperature must always be clarified beforehand with the fitting manufacturer.

# FRIAMAT basic eco

## Fusion unit without documentation function

- High performance due to innovative toroidal transformer technology with flow-optimized, active cooling.
- High-resolution, extremely bright 4.3 "TFT color display.
- With mini-scanner, reader wand or new 1D/2D scanner for reading 2D barcodes according to ISO 12176-5. Adapter bag, language selection, adjustable buzzer volume, manual emergency entry. Extra-long power cable (4 m) and extra-long fusion cable (5 m). Weight approx 18 kg.
- Continuous monitoring of the entire fusion process and all device functions.
- With FRIAMAT preCHECK function: The most advanced way to fuse with foresight. The FRIAMAT automatically determines whether the next fusion can be performed completely to the end.
- The user himself can install software updates via USB interface.