

**The MOBILCUT functions Simple exact high-speed**

All MOBILCUT machines consist of one horizontal mobile workpiece table combined with a vertical axis on which the operating elements are arranged.

The tensioned wire is heated by means of an installed heating unit to 300°C. Due to the high temperature the material melts prior to touching it with the wire. This function creates an absolutely clean and precise "cut" without fixing the workpiece. **The cutting speed ranges between 5 and 15 mm per second.**

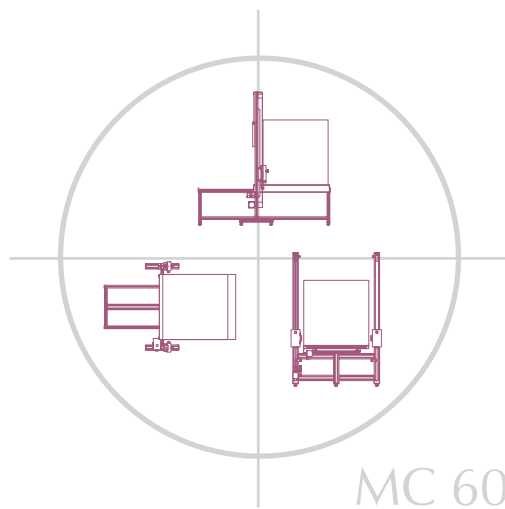


⊕ Machine MobilCut 60

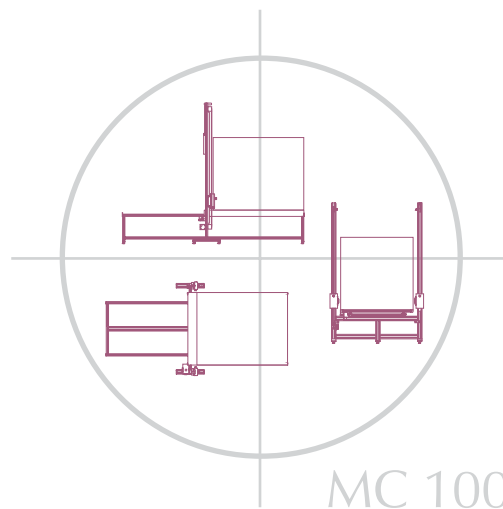
□ Within the series we offer you two different models tuned to the individual purpose of use, differing solely with regard to the working size.

**The wire With FoCut you produce perfect cuts**

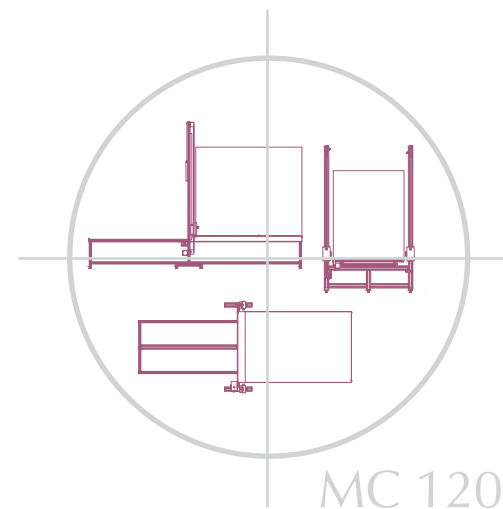
The MOBILCUT machines operate with the hot wire. Depending on the size of the object round wire is used in wire strengths ranging between 0.1 and 0.4 mm. The combination between the correct wire strength, optimum cutting speed and material allows you to produce minute parts and obtain cuts with minute slit. The wire used is either Nirosta or another special hardened alloy depending on the specific field of application. In particular the use of 0.1 mm thick cutting wire generates minute and precise cutting results.



MC 60



MC 100



MC 120

| Standard fittings  |  |  |  |
|--|--|--|--|
| Machine designation  | MC 60  | MC 100   | MC 120   |
| Type designation   | 950 001  | 950 010  | 950 041  |
| Installation dimensions of machine (m) LxWxH                   | 1,22 x 0,84 x 1,24   | 2,05 x 1,05 x 1,60                               | 2,45 x 1,05 x 1,66                               |
| Total weight of machine (kg) without power packs               | 40   | 46   | 52   |
| Cutting height (mm)  | 600  | 800  | 1000   |
| Active table size for processing                               | 600 x 600  | 1000 x 800                                       | 1200 x 800                                       |
| Block volume to be processed m³                                | 0,22   | 0,64   | 0,96   |
| Basic frame  | Machine construction profile, aluminium anodized                                       | Machine construction profile, aluminium anodized | Machine construction profile, aluminium anodized |
| Workpiece table  | Dibond on aluminium profile frame  | Dibond on aluminium profile frame                | Dibond on aluminium profile frame                |
| Distance of mobile workpiece table to the ground (mm)          | 375  | 375  | 375  |
| 3 axes ISA control card  | Available  | Available  | Available  |
| Controller power pack  | P: 220/110V S: DC 24 V 2,7A  | P: 220/110V S: DC 24 V 2,7A                      | P: 220/110V S: DC 24 V 2,7A                      |
| Connection for 3 <sup>rd</sup> axis to machine                 | Available  | Available  | Available  |
| CD with Software Pack 1 2-axis operation                       | Standard   | Standard   | Standard   |
| Micro-step control of axes                                     | Standard   | Standard   | Standard   |
| Hot wire power pack  | P: 220 V S: DC 0 - 40 V 5A Programmable  | P: 220 V S: DC 2 x 0 - 40 V 3A                   | P: 220 V S: DC 2 x 0 - 40 V 3A                   |
| Machine speed  | max 60 mm/sec  | max 60 mm/sec                                    | max 60 mm/sec                                    |
| Cutting velocity (EPS (15))                                    | max: 15 mm/sec   | max: 15 mm/sec                                   | max: 15 mm/sec                                   |
| Number of micro-step motors                                    | 2  | 2  | 2  |
| Power of step motors   | 1 A  | 1 A  | 1 A  |
| Switch for hot wire  | Standard   | Standard   | Standard   |
| Manual/Installation instructions                               | Standard   | Standard   | Standard   |
| Carriage plate with attachment for connection                  | Standard   | Standard   | Standard   |
| Weight compensation with fixture                               | Standard   | Standard   | Standard   |
| Motional synchronization of wire carriage movements            | Niro fine wire   | Niro fine wire                                   | Niro fine wire                                   |
| Portal stabilization on the base side                          | Standard   | Standard   | Standard   |
| Portal base width  | 300  | 300  | 300  |
| Dismantling the portal required for transport purposes         | No   | No   | No   |
| Dimensions of dismantled machine (mm) (LxWxH)                  | 1,24 x 0,84 x 0,35   | 2,05 x 1,05 x 0,35                               | 2,45 x 1,05 x 0,35                               |
| Parts of dismantled machine                                    | Portal, 2 base struts, machine frame, table with plate, 8 hexagonal socket head screws |  |  |
| Alternative  |  |  |  |
| Hot wire cutting power supply (export: USA, Canada, Caribbean) | P 110 S AC 0-40V 3A  | P 110 S AC 0-60V 3A                              | P 110 S AC 0-60V 3A                              |
| Accessories  |  |  |  |
| Preformed wire mount set with 2 wire mounts 300 mm             | Standard   | Standard   | Standard   |
| Rotary plate 300 mm with connecting cable                      | Standard   | Standard   | Standard   |
| Connecting cable for 3 axes 2m                                 | Standard   | Standard   | Standard   |
| CD with software Pack 2 3-axis operation                       | Standard   | Standard   | Standard   |
| Power pack for preformed wire                                  | S: 220V P:DC 3 -15V 40A  | S: 220V P:DC 3 -15V 40A                          | S: 220V P:DC 3 -15V 40A                          |
| Power pack for preformed wire Export: USA, Canada, Caribbean   | S: 110V P: AC 3 -12V 30A   | S: 110V P: AC 3 -12V 30A                         | S: 110V P: AC 3 -12V 30A                         |
| Dimensions of shipping box                                     | 1,35 x 0,95 x 0,50   | 2,15 x 1,15 x 0,50                               | 2,55 x 1,15 x 0,50                               |
| Weight of shipping box   | 25   | 35   | 45   |

subject to change

**Optional accessories**

Rotary plate unit with extension (TTU)  
 Profiled wire mount, 2 pieces, 30 and 60 cm (WH)  
 Multi-wire facility (MW 3)

⊕ Multi-wire facility for cutting with up to 3 wires (MC 120 / MC 100)

Rotary plate unit and profiled wire mount for 3-dimensional processing ⊕

