

Horizontal Wire Contour Cutting Center C 58

Type | **C 58**

## CONTOUR CUTTING OF HARDER MATERIALS

Using reliable technology, new ideas and a lot of know-how, Fecken-Kirfel has perfected the CNC controlled wire cutting centers. If it is not possible to cut materials with a rotating bandknife (C 67) or with an oscillating knife (C 69), then a proven alternative is the abrasive cutting process with a rotating wire. It is no problem to cut contour parts out of harder or hard materials with the C 58.

The control unit with a Windows operating system takes into consideration the wire thickness with the help of calculating compensation software. The intuitive user interface of the C 58 is compatible with other FK contour cutting centers, making it easy for the machine operator to switch between the different cutting centers. The operator can choose to use the mouse and the keyboard for the machine operation or to use the web-based interface with touch screen.

Moreover, our FK engineers made sure that the files of the cutting line programs are compatible between the FK contour cutting centers. The CAD programming is on basis of DXF contours as well. Another highlight is the monitoring of the cutting resistance, which allows the automatic adjustment of the cutting speed.



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The powerful exhaust system reduces the dust formation to a minimum. The hold-down device can be moved downwards during the cutting process if the block slumps down. The machine accelerates the cutting wire up to 324 km/h (200 miles/hour). To compensate the wire length, the tension is pneumatically controlled.

The maximum cutting speed of 10 m/min, the feeding speed of 30 m/min (during an empty run) as well as the infinitely adjustable wire speed make it possible for the cutting wire of 1–1.5 mm to cut contours accurately out of a large number of different materials.

**All in all, the C 58 sets new standards for cutting harder or hard materials such as:**

- harder PE (crosslink and non-crosslink)
- PVC rigid foam
- different rigid foams between 50–300 kg/m<sup>3</sup>
- Polysterene XPS
- Rohacell®
- Basotect®
- Bonded foam
- Phenolic resin foam

- Rock/glass wool
- Foamglas
- as well as nearly all softer materials

Technical data	C 58
Working width	1300 mm
Table length	2600 mm
Space requirement width	4175 mm
Space requirement length	5570 mm
Space requirement height	max. 3850 mm
Cutting speed	10 m/min
Cutting medium	rotating wire
Cutting method	abrasive
Wire speed	40–90 m/s
Hold-down device	yes (optional)
Dust exhaust system	yes (optional)

For further information on the C 58 our team will be pleased to be at your service.