
MKF 140 / 32 W



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Universal machines for chipless coldforming of sheet metal and profiles

Working step by step offers the freedom to create nearly every shape and design required.

Kraftformer machines are mostly used for

- prototype work
- repair/maintenance jobs
- small production batches.



Mostly used for straightening and correcting parts, e.g. when working on aircraft parts.

How we came to the MKF 140/32 W

Step 1:



Kraftformer KF 665



Mobileformer MKF 140/32
(Flanging in tank and vessel building)

Step 2:

Request from Aircraft Manufacturing/Assembly customers for:

- **Mobile machine,**
- **for Straightening and Correcting jobs,**
- **through Shrinking / Stretching,**
- **on borders of large/heavy wing panels**

= Market demand for a new Machine, the:

Step 3:

New:

MKF 140/32W
Mobile Kraftformer



The ECKOLD Solution

Mobile Kraftformer MKF 140/32 W



Features

Hanging frame

Hose pipe
(to hydraulic unit HA 510)

Two-hands operating device
(with safety release system)

Roller Stop
(Teflon rollers, adjustable)

Hydraulic cylinder
(32 tons max. at 500 bar)

C-Frame
- very robust -

Path limitation mechanism
(= W in German)

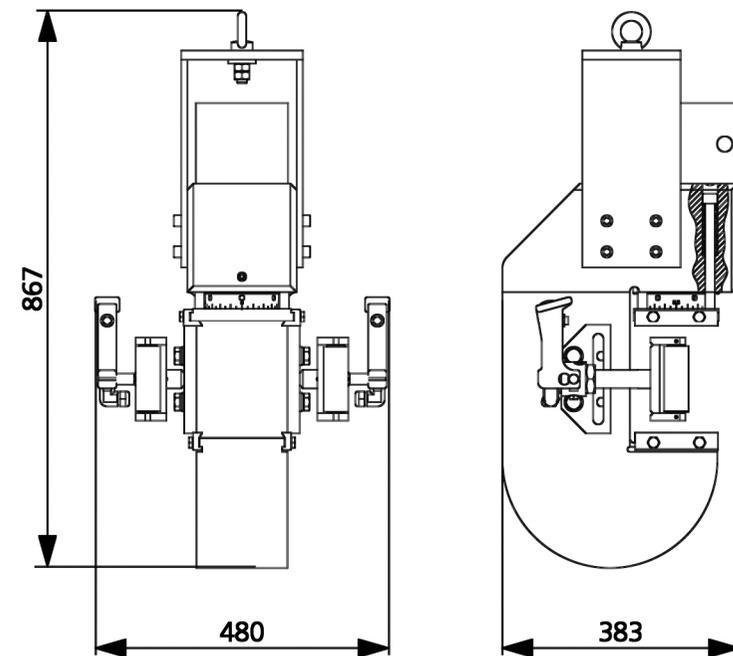
Synthetic tools – No markings
(different sizes available)

Tool fixing plate



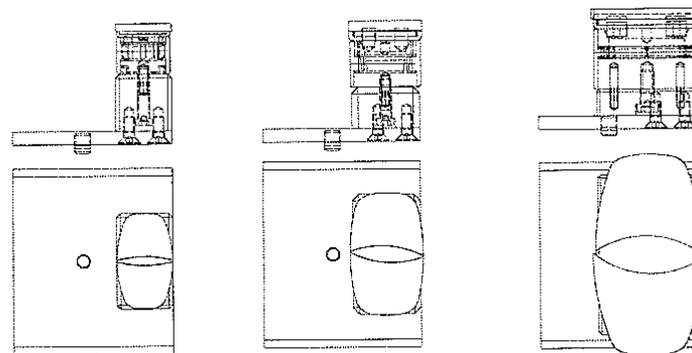
Technical Data

<i>Drive</i>	hydraulisch / <i>hydraulic</i>
<i>force, adjustable</i>	max. 320 kN bei/at 500 bar
<i>Number of strokes depending on stroke length</i>	max. 60 / min.
<i>Throat depth horizontal</i>	140 mm
<i>Throat vertical (without tooling)</i>	ca. 125 mm



Weight: approx. 265 kg

Werkzeuge / Tools für/for MKF 140/32 W		Dim. [mm]	Umformbare Blechdicke / Forming Capacity max. [mm]		
			Stahl / Steel (400N/mm ²)	Inox. (600N/mm ²)	Aluminium (250N/mm ²)
LFA 70	(Stauchern / Shrinking)	40 x 70	1.5 mm	1.0 mm	2.0 mm
LFA 90	(Stauchern / Shrinking)	55 x 90	1.5 mm	1.0 mm	2.0 mm
LFR 90	(Strecken / Stretching)	55 x 90	1.5 mm	1.0 mm	2.0 mm
LFA 155	(Stauchern / Shrinking)	80 x 155	4.0 mm	3.0 mm	6.0 mm
LFR 155	(Strecken / Stretching)	80 x 155	4.0 mm	3.0 mm	6.0 mm



Straightening & Correcting jobs through:

- **Shrinking** edges with LFA Type tools
- **Stretching** edges with LFA Type tools

Example of Applications:

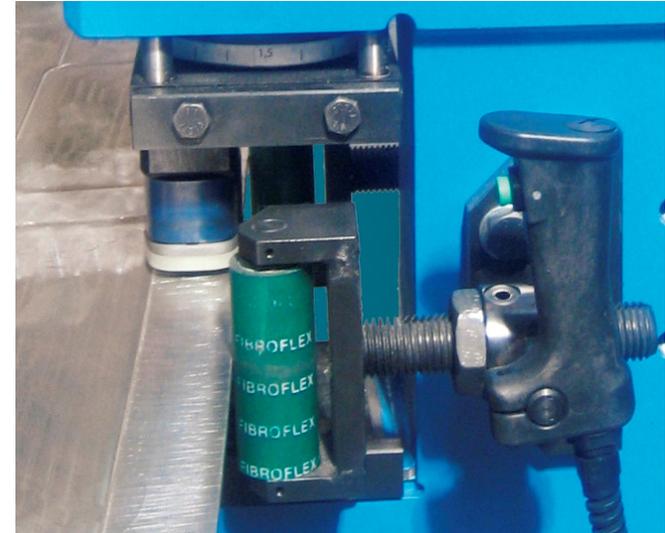
- Straightening & Correcting job on a large (approx. 10 m long) machined wing panel, (in France)



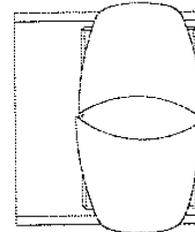
- The perfect solution for Straightening and Correcting jobs on large work pieces, using a mobile C-Frame, path limited
- Shrinking and Stretching on borders of large wing panels
- Single- or continuous stroke are possible
- High Forming force applied by hydraulic power unit, with sensitive pressure adjustment
- Depending on the work piece, different tools with synthetic working surface for no marks on the work piece



- Operation and handling of the machine with 2-hands safety release
- Labour time saving with Mobile ECKOLD Kraftformer
- Ideal Ergonomic with suspension systems (using balancer)
- Robust, modern Design and clever concept
- Eckold quality at an attractive price!!!



Scope of Delivery

	Scope of Delivery	Pictures
Mobile Kraftformer	MKF 140/32 W	
Hydraulic Unit	HA 510	
Tools	<p>LFA 155 für MKF140/32W LFA 90 für MKF140/32W LFA 70 für MKF140/32W</p> <p>LFR 155 für MKF140/32W LFR 90 für MKF140/32W</p>	

- Aircraft / Helicopters manufacturers (Assembly)
- Aircraft / Helicopters suppliers
- Military / Aerospace manufacturers and subcontractors
- ...and others working on very large/heavy panels



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