

# Travelling hydraulic cutting machine

for dustfree precision cutting with knife of rigid pipes and profiles in plastic.



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**FA KM 125**

## Technical data

Max. pipe diameter, Ø	125 mm
Max. profile dimension, w x h	220x125 mm
Max. cutting length	1000 meter
Max. travelling length	420 mm
Distance floor to centre, standardheight according customers specification	1065-1165 mm min 970 mm
Line speed	0-8 m/min
Max. cutting frequency depending on speed and length. Example:	15-30 cuts/min.
min. cutting length 500mm at 8m/min	16 cuts/min.
min. cutting length 100mm at 2,5m/min	25 cuts/min.
Length resolution	0,1 mm
Motor size, hydraulic	4,0 kW
Volume, hydraulic tank	40 litre
Electrical connection	400 V, 3-ph, 50 Hz
Dimensions, w x d x h	2050x1100x2000 mm
Weight	680 kg

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is recommended for cutting rigid profiles, which can be fed through the machine by an existing extruder haul-off. The knife is pressed through the profile with a hydraulic cylinder and the machine is cutting with extremely high cutting power and accuracy.

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is a sturdy mechanical design, where the length- and speed-measuring is done with an external measuringwheel/encoder placed in connection with an existing haul-off. The complete cutting head is travelling and driven by a servomotor. No clamping of the profile is necessary for the travelling function. The knife is guided between two tool plates and moves upwards, sideways and back, when cutting. Fitted insert bushings guides the profile on both sides of the knife.

## FA – KM 125

has tool-holders for exchangeable insert bushings. The machine has self adjusting hydraulic system, adjustable hydraulic control of the knife speed and absolute encoder for measuring the knife position. It is provided with output signal for quick stop of external equipment (the haul-off) and also output signal for quantity reached (for following equipment, for instance a packing machine).

All settings are easily and logically done in an operators panel. Quick adjustments of cutting lengths as well as menus for quantity, maintenance, production-information, etc. are always at hand.



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