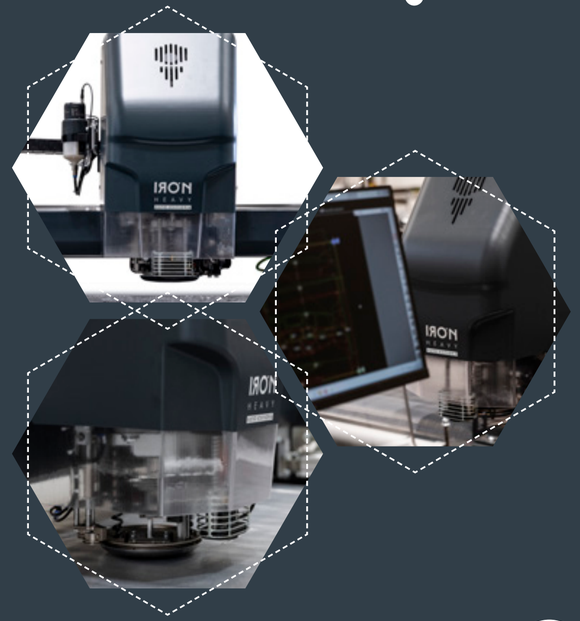

SA8000 certification - *one of the most prestigious international standards in the field of* **corporate social responsibility**

UNI EN ISO 9001:2015 Certified
Quality Management Company

AUTOMOTIVE Cutting System

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FKgroup®
Made in Italy

03/2025

Automotive Cutting System

IRON HEAVY AUTO EDITION 6 AND 9

Automatic conveyor cutting system **specially designed for automotive industry**. It's capable of accelerating working cycles through both speed and productivity, applying a mix of technical characteristics and innovative materials that enable reaching cutting performances never achieved before. Cutting head designed for cutting high lays , but also suitable for other types of hard materials.

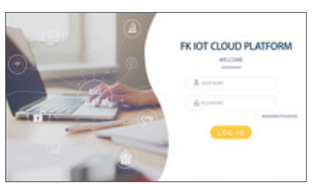
- **JUST CUT**: the simple and intuitive Software makes all cutting parameters setting fast and safe;
- **Eco Power vacuum system** that guarantees considerable power saving;
- Patented high speed sharpening system;
- **Mectronics Blade Sense**: automatic knife deflection correction;
- Patented multi-type knife lubrication system (wax, silicon oil or soapy water);
- **Vortec**: refrigerated air blade cooling device;
- Eccentric bearing with temperature control system;
- Strengthened cutting head in aluminium and steel;
- Automatic lubrication of the blade piston;
- **Quick Release Valve,** in conjunction with the **CC Device (continuous cutting software)**, is able to improve productivity by drastically reducing the window advancement time.

Average **power consumption 5.9kW**

Industry 4.0
READY

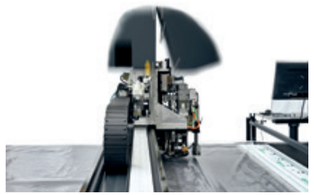
Working Area A x L (cm)	180 x 170	200 x 170	180 x 240	200 x 240
Overall dimensions L x W x H (cm)	470 x 290 x 220	470 x 310 x 220	592,3 x 290 x 220	592,3 x 310 x 220
Weight (Kg)	2880	2960	3220	3300
Installed Power (kW)	14	14	15	15
Average Consumption (kW)	5,9	5,9	6,2	6,2
Power supply Tension	400V±10%			
Max compressed lay height (cm)	**Iron 6** = 6 cm compressed / **Iron 9** = 9 cm compressed			

In case of special issues, FKgroup will produce upon request cutting windows till 420 cm width x 240 cm lenght.
With the aim of improving its machinery FKgroup reserve the right to change the technical characteristics without prior notice.



BIG DATA - Cloud management.

IOT - Instant analysis of production.

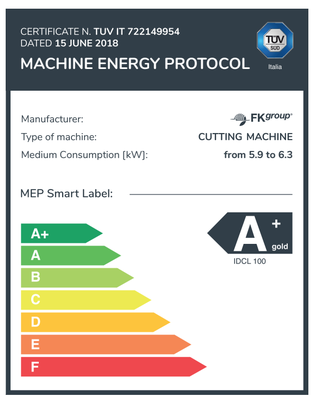


Pneumatic head cover lift with double movement.

Blade cooling or lubrication system according to fabrics.

Double hollow punch device from 5 to 25mm diameter.

Drilling device with bit and variable heat control or spinning punches.



MEP (machine energy protocol) TUV SUD grant FKgroup machines the **A+Gold idcl 100 Certification**. *The average reduction of CO2 per year, depending on working hours is from 10 to 30 tons less than manual work or competitors' machines.*

ISO 5011 - *Automotive air certification*

ACCESSORIES AVAILABLE:

a. Single drill;
b. Double drills;
c. Hot drill in different dimensions;
d. Single/Double hollow punches;
e. Triple hollow punches*
(reduces window* lenght by 20cm);
f. Tool pen;
g. Serrated Knife for PVC;
h. Leather knife;
i. Laser projector system;
l. Labelling system;
m. Lubrication tank till 10.000 cc;
n. Blade refrigeration till -21° celsius;
o. QRV valve that reduce waiting time;
p. CC continuous cutting software;
q. Motorised Transfer System;
r. Remote assistance and web tool;
s. IOT data base extraction and cloud;
t. Plastic cover vacuum saving;
u. Plate blocking device.