



 **ZAKMET®**

ABOUT US

ZAKMET was established in 1985. Since 1992 the company has been manufacturing advanced CNC machines for plasma cutting, oxygen cutting, laser cutting and automatic welding. Extensive experience of our engineers has enabled us to design advanced and yet simple machines. Excellent design and production facilities allow us to design, manufacture, implement and service high precision cutting and welding equipment. We operate in accordance with EN 1090-1 and EN ISO 3834-2.

Our products are used by over 1000 companies in Poland, Europe and Asia. Our machines are used in Belgium, Holland, France, UK, Ireland, Russia, Belarus, Lithuania, Ukraine and Greece. The clients regard our cutters as robust, high precision, comprehensive and efficient machines. The satisfaction of our Clients motivates us to constantly improve our machines and adapt to the ever changing thermal cutting technologies.

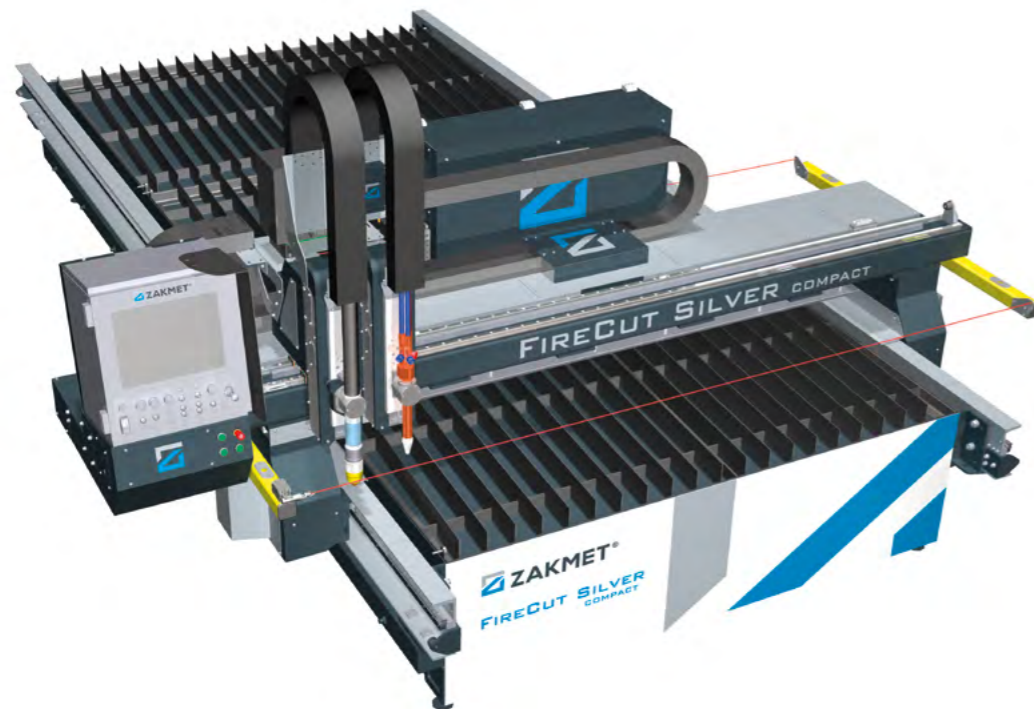
GAIN WITH US.
EXPERIENCE SINCE 1985.

- | | |
|------------------------|---|
| Z Trusted | 25 years' experience in gas and plasma cutting. |
| A Automated | Full integration of all machine components for minimum supervision. |
| K Comprehensive | We take care of all the order details to ensure the highest quality of services and machines. |
| M Modernization | Constant improvement to keep up with the ever changing needs of clients. |
| E Economy | Proven and advanced solutions at an optimal price. |
| T Technology | Innovation in thermal cutting technology. |

FIRECUT SILVER COMPACT

MAXIMUM CUTTING EFFICIENCY AND COST-EFFECTIVENESS.

EASY INSTALLATION AND START-UP.



SPECIFICATIONS	FIRECUT SILVER COMPACT	
Cutting length	From 3000 up to 4000 mm	
Cutting width	From 1500 up to 2000 mm	
Cutting type	Plasma	Gas
Cutting thickness	Up to 80 mm (depending on plasma cutter)	Up to 100 mm (optional up to 200 mm)
Torches	Up to 2	
Cutting speed	Up to 25 m/min	
Positioning accuracy	+/- 0.05 mm	
Table type	Extraction table / Water table	
Drive	AC servomotor	

Example machine configuration. Machine configured to user requirements.

FIRECUT SILVER COMPACT features a compact design. Drive system mounted directly on the sectional table for easy machine positioning and installation. Excellent cutting quality and wide range of sheet thickness guarantees quick return of investment.

FIRECUT SILVER COMPACT is recommended for small and medium manufacturers.

STANDARD ACCESSORIES:

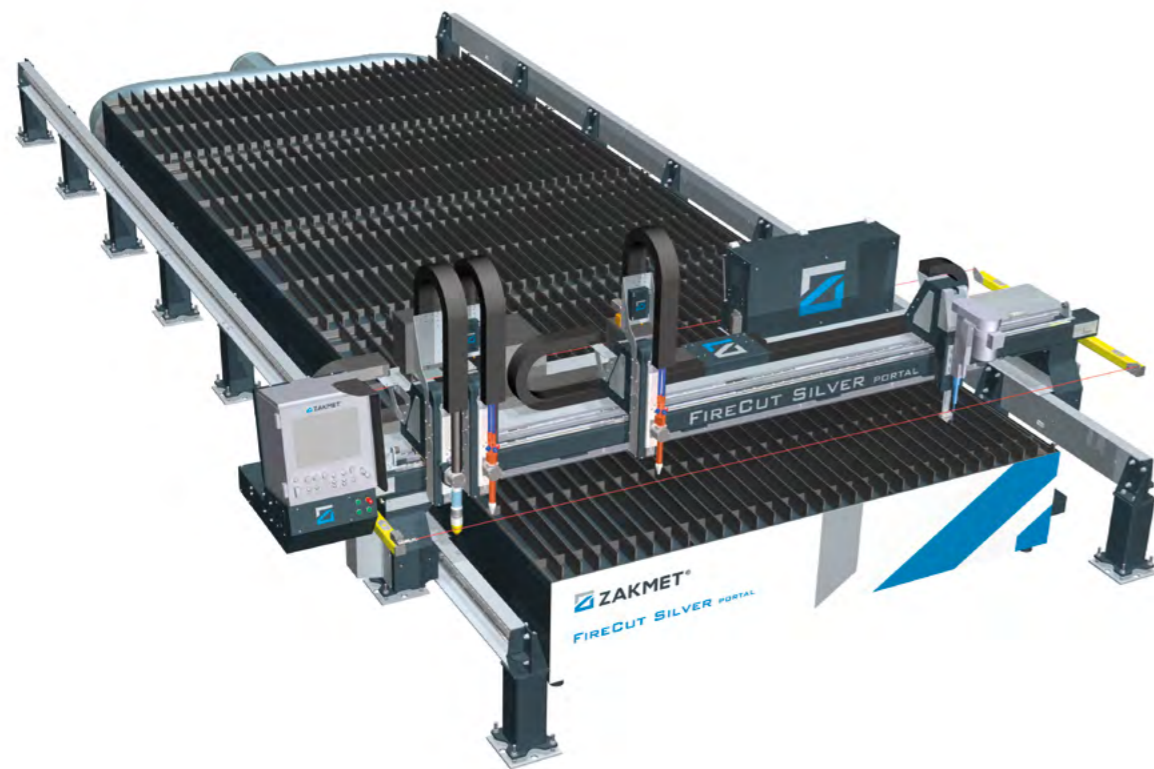
- Intelligent Sectional Extraction Table
- Oxygen cutting support
- Plasma cutting support
- Plasma routing and marking
- Contact Sheet Detection System IHS
- Laser Torch Position Indicator
- Central Lubrication System
- CNC
- CAD/CAM software

OPTIONAL ACCESSORIES:

- Filter and ventilation device
- Portal extension arm for pipe and section cutting
- Positioner for pipe and section cutting
- Mechanical routing and marking attachment
- Drill attachment
- Safety barrier

FIRECUT SILVER PORTAL

THE MOST COST-EFFECTIVE
AND EFFICIENT CNC CUTTER AVAILABLE.



SPECIFICATIONS	FIRECUT SILVER PORTAL	
Cutting length	From 1500 mm	
Cutting width	From 2000 up to 4000 mm	
Cutting type	Plasma	Gas
Cutting thickness	Up to 80 mm (depending on plasma cutter)	Up to 200 mm (optional up to 300 mm)
Torches	Up to 3	
Cutting speed	Up to 30 m/min	
Positioning accuracy	+/- 0.05 mm	
Table type	Extraction table	
Drive	AC servomotor	

Example machine configuration. Machine configured to user requirements.

FIRECUT SILVER PORTAL is made of steel sections and features a modular design anchored to the floor. Excellent dynamic properties ensured by digital servomotors, polished and hardened linear guides and precision toothed bars - all protected by the steel channels. Wide range of cut material thickness with plasma and/or gas torch.

FIRECUT SILVER PORTAL is recommended for users who require fast, high precision and efficient low-cost cutting.

STANDARD ACCESSORIES:

- Intelligent Sectional Extraction Table
- Oxygen cutting support
- Plasma cutting support
- Plasma routing and marking
- Contact Sheet Detection System IHS
- Laser Torch Position Indicator
- Central Lubrication System
- CNC
- CAD/CAM software

OPTIONAL ACCESSORIES:

- Filter and ventilation device
- Portal extension arm for pipe and section cutting
- Positioner for pipe and section cutting
- Mechanical routing and marking attachment
- Drill attachment
- Safety barrier





MODERN MACHINES FOR PLASMA
AND OXYGEN CUTTING.

FIRECUT IRON

THE MOST ADVANCED SOLUTIONS FOR OPTIMUM CUTTING QUALITY, PERFORMANCE AND OPERATING COSTS.

FULL INTEGRATION OF OXYGEN AND PLASMA ARC CUTTING.



SPECIFICATIONS	FIRECUT IRON	
Cutting length	From 3000 mm	
Cutting width	From 3000 up to 8000 mm	
Cutting type	Plasma	Gas
Cutting thickness	Up to 80 mm (depending on plasma aggregate)	From 1 up to 200 mm (optional up to 300 mm)
Torches	Up to 2	Up to 8 (more available)
Cutting speed	Up to 20 m/min	
Positioning accuracy	+/- 0.05 mm	
Table type	Extraction table	
Drive	AC servomotor	

Example machine configuration. Machine configured to user requirements.

FIRECUT IRON features a heavy, robust and rigid structure for cutting large size sheets in a wide range of thickness. The cutter design allows installation of several portals and tool attachments to extend the machine range at any time. High performance AC servomotors and high quality components provide continuous high accuracy cutting.

FIRECUT IRON is recommended for large industrial plants, shipyards, steel mills and steel manufacturers.

STANDARD ACCESSORIES:

- Intelligent Sectional Extraction Table
- Oxygen cutting support
- Plasma cutting support
- Plasma routing and marking
- Contact Sheet Detection System IHS
- Laser Torch Position Indicator
- Central Lubrication System
- CNC
- CAD/CAM software

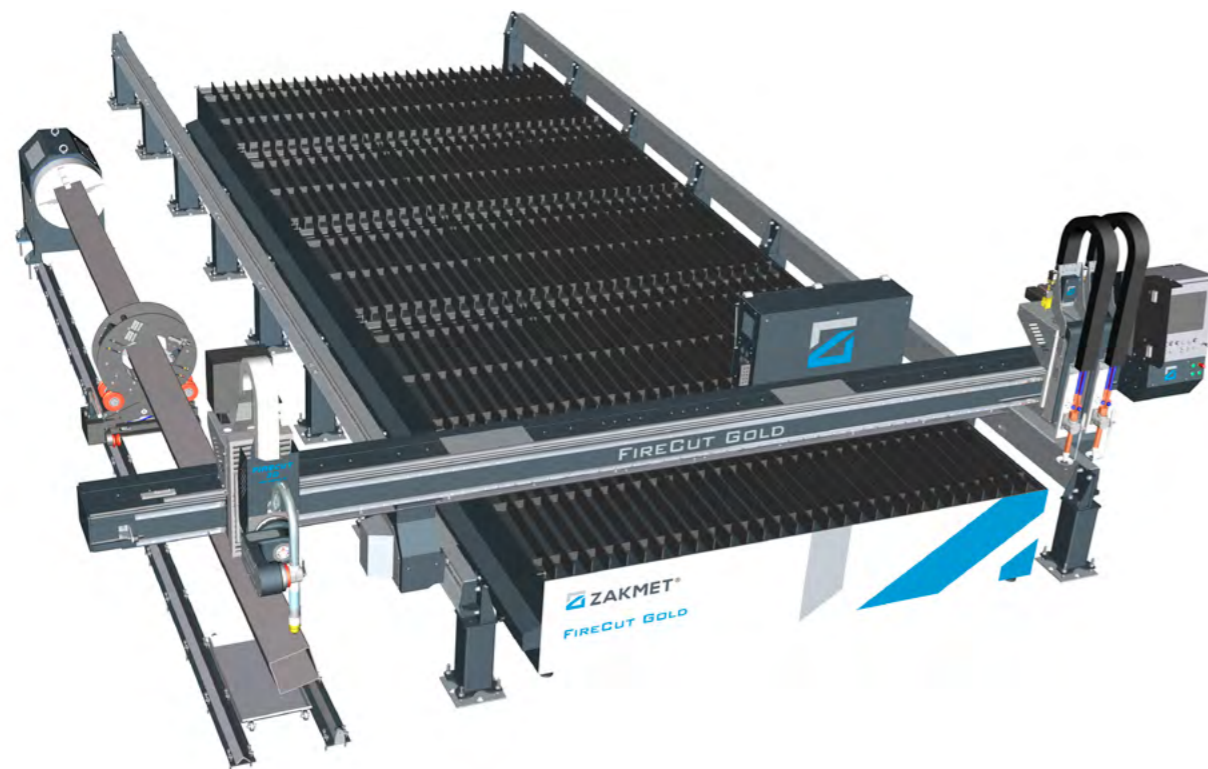
OPTIONAL ACCESSORIES:

- Filter and ventilation device
- Portal extension arm for pipe and section cutting
- Positioner for pipe and section cutting
- Mechanical routing and marking attachment
- Drill attachment
- Safety barrier

FIRECUT GOLD

THE MOST DURABLE HIGH DEFINITION CUTTER ON THE MARKET.

VARIOUS APPLICATIONS.



SPECIFICATIONS	FIRECUT GOLD	
Cutting length	From 3000 mm	
Cutting width	From 3000 up to 6000 mm	
Cutting type	Plasma	Gas
Cutting thickness	Up to 80 mm (depending on plasma cutter)	From 1 to 200 mm (optional up to 300 mm)
Torches	Up to 2	Up to 4 (more available)
Cutting speed	Up to 20 m/min	
Positioning accuracy	+/- 0.05 mm	
Table type	Extraction table	
Drive	AC servomotor	

Example machine configuration. Machine configured to user requirements.

FIRECUT GOLD is the most advanced CNC 3D cutter. Rigid frame, reinforced machine portal for 5-axis 3D head and other attachments for plasma cutting, gas cutting and drilling. Built-in high quality components guarantee chamfered part cutting accuracy at the entire length. **FIRECUT GOLD** with portal support arm and pipe and section positioner allows unlimited configurations for high quality plasma arc cutting.

FIRECUT GOLD is designed for users who want to expand their stock with a multi-task, specialist machine featuring optimized and maximum cutting performance and low operational costs.

STANDARD ACCESSORIES:

- Intelligent Sectional Extraction Table
- Oxygen cutting support
- Plasma cutting support
- Plasma routing and marking
- Contact Sheet Detection System IHS
- Laser Torch Position Indicator
- Central Lubrication System
- CNC
- CAD/CAM software

OPTIONAL ACCESSORIES:

- i3D Head
- Filter and ventilation device
- Portal extension arm for pipe and section cutting
- Positioner for pipe and section cutting
- Mechanical routing and marking attachment
- Drill attachment
- Safety barrier

STANDARD ACCESSORIES

Intelligent Sectional Extraction Table

- Easy dross pan cleaning
- Heavy duty and compatible with filter and ventilation systems.
- Modular design for different size tables
- Intelligent sections which open automatically in the cutting zone only
- Safe and efficient machine operation

Plasma cutting support

- Automatic Height Control THC
- Contact Sheet Detection System IHS
- Laser Torch Position Indicator
- Magnetic torch mount to prevent damage

Contact Sheet Detection System IHS

- High precision positioning of plasma torch and steel sheet
- Quick cutting start at any point

CNC

- CNC controller installed on the machine portal allows a full cutting process control
- Intuitive user interface with a 15" touch-screen and a wizard for easy operation
- Wireless WiFi connection and portable memory storage reader for program transfer

Oxygen cutting support

- Automatic Height Control OHC
- Smooth perforation (up to 110 mm)
- Automatic or manual gas console
- Automatic or manual ignition

Plasma routing and marking

- Standard equipment of HD plasma cutters

Laser Torch Position Indicator

- High precision torch position indicator
- Indicates start position of the torch without lowering the head
- Reduced machine preparation time

Central Lubrication System

- Maintenance-free, failure-free and long term operation of linear bearings
- Two to three times longer life of linear components
- Protection against damage due to dry run
- Smooth portal movement

CAD/CAM software

- Wide range of functions for flexible programming on multiple machines and multiple cutting processes

Filter and ventilation device

- Absorbs and filters smoke and dust
- Automatic filter cartridge cleaning
- Guarantees safe working conditions

Positioner for pipe and section cutting

- Cutting any shapes in pipes and sections using gas or plasma torch
- Compatible with i3D head for chamfering (FIRECUT GOLD only)
- 50-600 mm diameter pipe cutting as standard
- Support stand for long pipes or sections
- Square section fixing system

Mechanical routing and marking attachment

- Marking points, characters and lines with hardened needle

Safety barrier

- Optical sensor or trip wires automatically stops the machine at any obstacle during cutting

OPTIONAL ACCESSORIES

Portal extension arm for pipe and section cutting

- Cutting items outside of the working table
- Cutting large size sections, beams and non-standard materials

i3D Bevel Head

- Innovative i3D head design for high precision chamfering and bevelling of sheets and profiles
- V, A, Y, K and X cutting for welding
- Torch height sensor, laser indicator, anti-collision protection, True Hole® and True Bevel™ technology

Drill attachment

- Mechanical hole drilling

The image shows a close-up of a metal cutting process. A large, dark, cylindrical tool is positioned vertically, and a bright, circular cut is being made into a metal workpiece. A spray of bright sparks is visible on the right side of the cut. The ZAKMET logo is overlaid in the center of the image.

ZAKMET[®]

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