

# BTMEC-ABAX

**1**

AUTOMATIC TORCH CUTTING MACHINE  
**for Slab**

Design Section: Thickness: 130 ~ 350 mm  
Width: 500~3200mm

**2**

THE AUTOMATIC TORCH CUTTING MACHINE  
**for Blooms**

Design Section: 200×200mm ~ 500×500mm

**3**

AUTOMATIC TORCH CUTTING MACHINE  
**for Beam Blanks**

Design Section: 1100×450×90 mm

**4**

AUTOMATIC TORCH CUTTING MACHINE  
**for Billets**

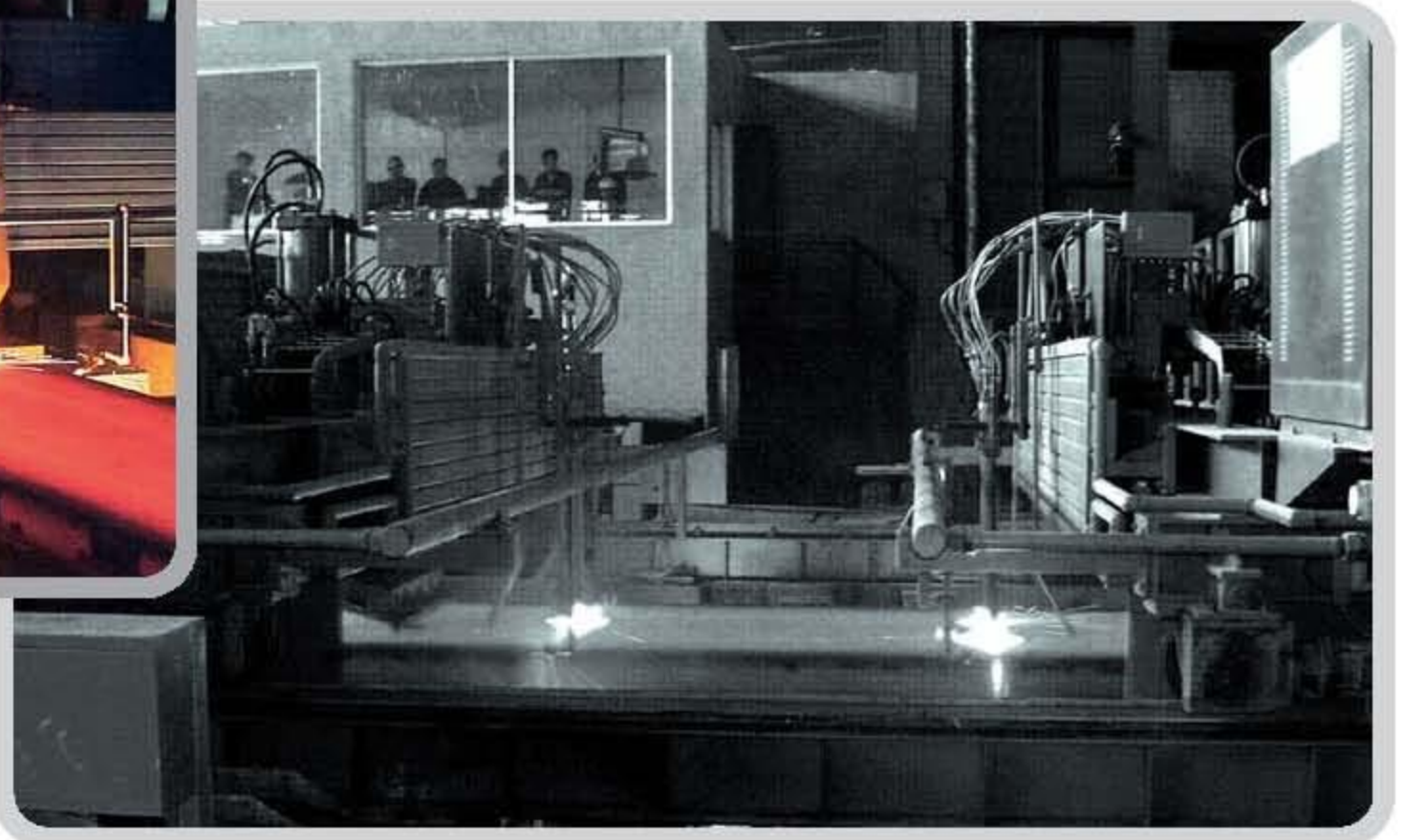
Design Section: 90×90mm ~ 300×300mm

**ABAX**  
ABAX Industries LTD





Automatic Torch  
Cutting Machine  
First-Cutting Slabs



Automatic Torch  
Cutting Machine  
Secondary-cutting  
Slabs

## AUTOMATIC TORCH CUTTING MACHINE FOR SLAB

The automatic torch cutting machine for slab is capable to cut the slab of common carbon steel, high-quality steel, stainless steel and low alloy steel to the specified length.

Item	Parameters
<b>Cutting machine</b>	Slab section Width: 500 ~ 3200 mm Thickness: 130 ~ 350 mm
	Moving speed Quickly: 20 m/min Slowly: 2.5 m/min
	Cutting specified length 5 ~ 14 m
<b>Cutting car</b>	Cutting speed 80 ~ 500 mm/min (variable)
	Walking speed ~ 3.6 m/min (variable)
	Cutting travel 3500 mm (max.)
	Slab temperature 0 ~ 800 °C



# AUTOMATIC TORCH CUTTING MACHINE FOR BLOOMS



Cut Cross-Section by  
FG-3 Automatic Torch  
Cutting Machine for  
Blooms

The FG-3 type machine is designed for heavy bloom casters. It's stable and reliable in operation and easy to operate and service. This equipment is designed with an efficient water cooling system so as to ensure that it operates reliably under the most severe conditions.

- The cutting machine uses a clamping-cylinder for synchronizing the movement
- The machine adopts the motor-driven cross sliding method in cutting
- The electric motor is used for its return
- Its working speed can be regulated through the frequency converter for cutting and return
- Equipped with the igniter, which is reducing the gas consumption
- Equipped with the slag granulation

	ITEM	PARAMETERS
<b>Cutting machine</b>	Slab section	Width: 200 ~ 500 mm Thickness: 120 ~ 500 mm
	Moving speed	3.25 ~ 1.0 m/min
	Moving speed	Quickly: 35 m/min Slowly: 1 m/min
	Distance of travel	> 4000 mm
	Cutting specified length	3.5 ~ 15 m
<b>Cutting car</b>	Cutting speed	80 ~ 500 mm/min (variable)
	Walking speed	~ 3 m/min (variable)
	Cutting travel	600 mm (max.)
	Slab temperature	0 ~ 800 °C

# AUTOMATIC TORCH CUTTING MACHINE FOR BEAM BLANKS



The automatic torch cutting machine BP-3 for beam blanks is equipment designed and manufactured for cutting of beam blanks (H-shape).

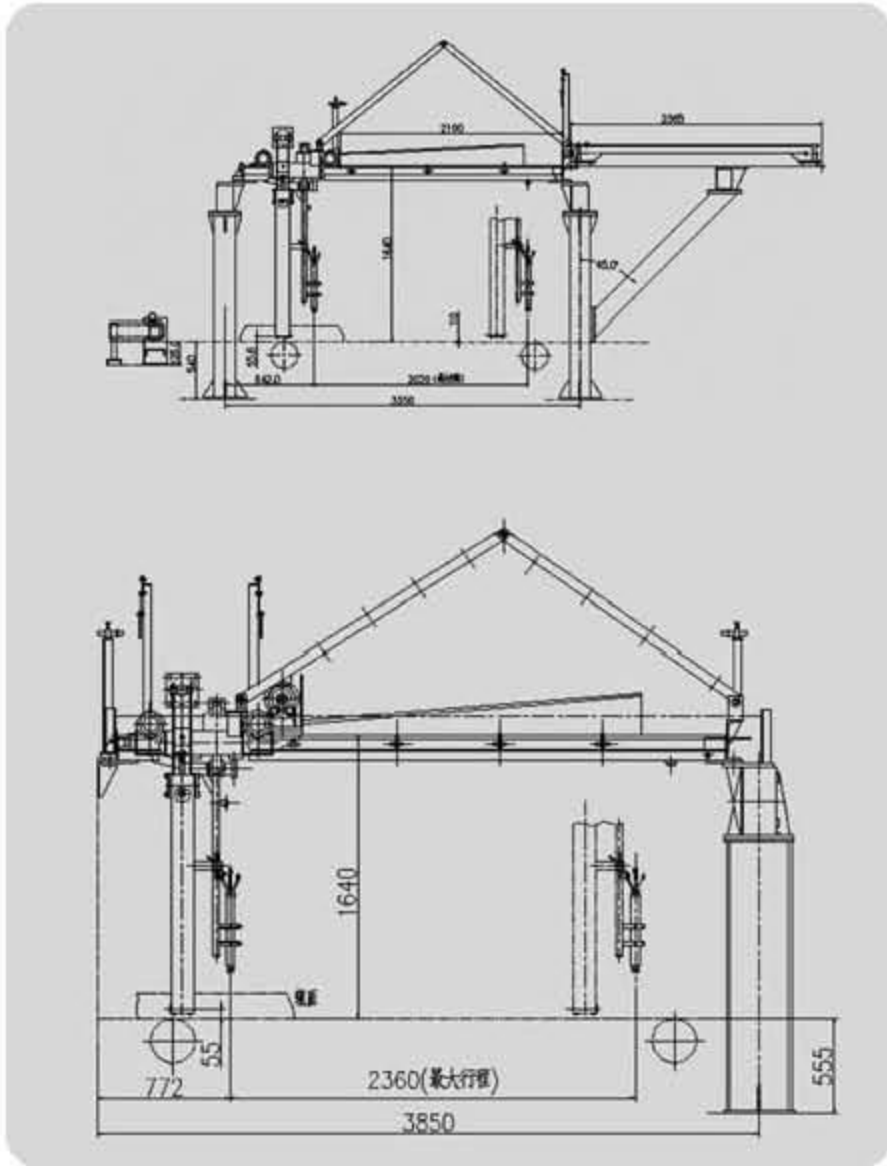
	Item	Parameters
<b>Cutting machine</b>	Beam blank section	Width: 350 ~ 1100 mm Thickness: 150 ~ 450 mm
	Moving speed	1.75 ~ 1.0 m/min
	Moving speed	Quickly: 18 m/min Slowly: 2.5 m/min
<b>Cutting car</b>	Cutting specified length	5 ~ 15 m
	Cutting speed	80 ~ 600 mm/min (variable)
	Walking speed	~ 3.6 m/min (variable)
	Cutting travel	1300 mm (max.)
	Beam blank temperature	0 ~ 800 °C

# AUTOMATIC TORCH CUTTING MACHINE FOR BILLETS

ITEM	PARAMETERS
Cutting billet section	90 × 90 ~ 300 × 300 mm
Cutting speed	350 ~ 600 mm/min
Billet cut-to-length	≥ 3 m/min (variable)
Speed of billet	≤ 4 m/min
Distance of travel	1700 mm

The FG-1 type machine is compact, stable and reliable in operation, easy to operate and service. This equipment is designed with water cooling for the main components so as to ensure high reliability of the equipment under the most severe conditions.

- Synchronic adoption of cylinder clamping method
- FG-1A torch cutting machine employs cylinder return
- FG-2A torch cutting machine uses motor-driven return
- It cuts in the mechanical swinging way and can adjust the cutting speed through the oblique



FG-1A Automatic Torch Cutting Machine (Cylinder Return)

FG-2A Automatic Torch Cutting Machine (Motor-driven Return)

