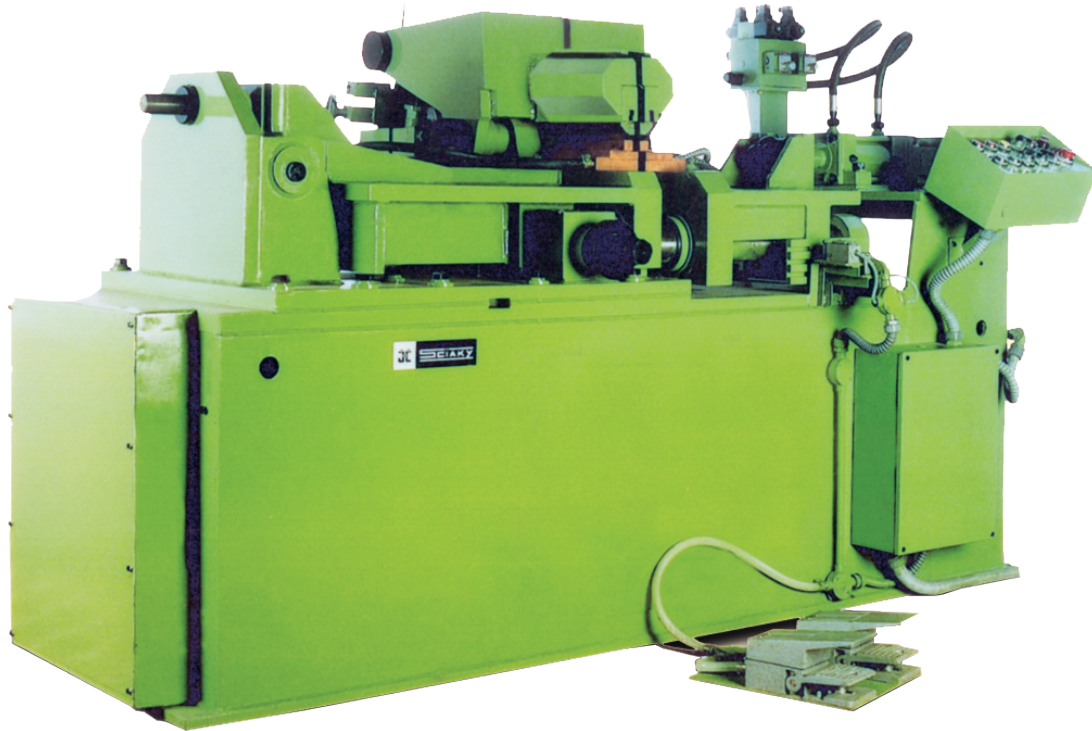


# HYDRAULIC FLASH BUTT WELDER



Hydraulic Flash Butt Welders are designed for Heavy Duty application & High Strength Welding of joints with Large Cross Section.

## Construction :

- ▶ Rigid Fabricated Frame
- ▶ Encapsulated Welding Transformer
- ▶ Low impedance Secondary Circuit
- Minimum Deflection
- Longer Life
- Higher Welding Capacity

## Features :

- ▶ Direct acting lever arm clamps with cylinders placed away from flashing zone.
- ▶ Low friction, accurately aligned movement of Platen.
- ▶ Hydraulic power pack for positive clamping and upsetting under high pressure.
- ▶ Controller flashing through flow control.
- ▶ Accurately machined toolings to match with component profile.
- ▶ Automatic machine sequence control with PLC for high productivity.
- ▶ Thyristor power control with tap switches on transformer for optimum weld joint strength

## Applications :

- |                 |                  |
|-----------------|------------------|
| Auto Components | Gear Shifter     |
| Chain Link      | Ring Gear        |
| Tools           | Steering Columns |
| Wheel Rims      | Tractor Links    |

# HYDRAULIC FLASH BUTT WELDER

## Machine Data

Machine Type	UNIT	FBH 100	FBH 150	FBH 250
Rating at 50% duty cycle	KVA	100	150	250
Clamping force	kg.	6000	12000	18000
Upsetting force	kg.	4000	8000	12000
Maximum Capacity				
Low Carbon Steel (Expanded Section)	Sq.mm	650	1300	2000
Low Carbon Steel (Compact Section)	Sq.mm	375	750	1200
Medium Forging Grade Steel	Sq.mm	320	650	1000

## Machine Installation Data

Power Supply	Volts	415	415	415	
	Freq (Hz)	50	50	50	
	Phase	1 (2 Lines)	1 (2 Lines)	1 (2 Lines)	
Disconnect Fuse (HRC) Rating	Amps	250	300	400	
Supply Cable Size	Cu - 1 Core	mm <sup>2</sup>	185/Line	185/Line	300/Line
	Al - 3 Core	mm <sup>2</sup>	300	300	400
Water Supply (Pressure 3 kg/cm <sup>2</sup> ) Soft Water (Inlet Temp. <300C)	Lit /min.	40	45	50	

## Machine Size

Dimensions	Height	mm	1500	1900	1900
	Width	mm	900	1100	1100
	Length	mm	1850	2500	2500
Weight (approx.)		kg.	3500	4000	4500

*\*Specifications and dimensions are subject to change in accordance to our policy of continuous improvement.*



## JH SCI AKY LIMITED

CONTINUING THE LEGACY OF JAYA HIND SCI AKY LIMITED

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