ASA (Action Super Abrasive SA), company founded in 1993, is specialized in the development and production of diamond and borazon grinding wheels with resin (phenolic and polyimide), hybrid and metal bond used for cutting tool grinding.

From the very beginning Action Super Abrasive SA has attached a fundamental importance to its production quality and flexibility. Our main goals still lie today in the ability to provide a product from the conception stage to its unit or volume production in a very short delivery period.

Our know-how and many years of experience has granted us a big advantage to advise our customers and in developing specific bonds for each grinding application. The constant improvement of our wheel production machines and a very up-to-date laboratory ensure highest quality and reliability in production.
ASA250™
Semi-automatic Machine for dressing Diamond and CBN wheels

Specifications
Compliance with standards and directives ‘CE’

Range
Wheel CBN/Diamond Ø 40-250 mm
For Wheel packs Max. Ø 200 mm
Dressing wheel Ø 150-300 mm

Control
Fanuc Power Motion IA
Touch-Screen

Axis
X Axis Stroke 110 mm
Feed 0-5 m/min
Z Axis Stroke 90 mm
Feed 0-5 m/min
B Axis Stroke 185°
Feed 0-5 m/min
W Axis Stroke 85 mm
Feed 0-5 m/min
U Axis Stroke 85 mm
Feed 0-5 m/min

Motors
Dressing wheel motor Integrated spindle
Constant surface speed
Grinding wheel motor Fanuc Alpha IS 4/5000
Constant surface speed

Camera
Optical camera X 23 Magnification

Dimensions
L x W x H 1300 x 1100 x 1600 mm
Weight 1200 Kg
Compressed air 5 Bar
Total power 8 kW

Coolant Tank
120 Litre tank capacity with paper filtration system

Options
DXF System with screen 19"
CNC machine spindles (E.G. Rollomatic, Anca, Walter, Kirner) available upon request
Cycle for large radius > 5 mm, in interpolation (X-Z-B)
Flange for dressing wheel T = 10 mm
Flange for dressing wheel T = 20 mm
Flange for dressing wheel T = 32 mm