

BACA EDGE XL



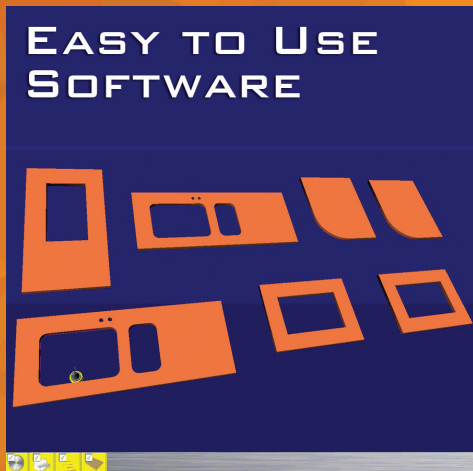
ROTATING NUT
BALL SCREW



60 POSITION
TOOL HOLDER



DOORS FOR
WATER
CONTAINMENT



EASY TO USE
SOFTWARE



DIRECT DRIVE
SPINDLE



LARGE
TABLE SIZE

WWW.BACASYSTEMS.COM
8 5 5 - 8 4 7 - 7 3 3 0

101 PREMIER DRIVE
ORION TOWNSHIP, MI 48359

BACA
SYSTEMS
AMERICAN STONE AUTOMATION

A SOLUTION FOR EVERY FABRICATOR

✓ Robust Construction

BACA EDGE XL is constructed of a heavy welded steel mono-block frame. The rigid frame construction is designed to provide a large working area while utilizing floorspace efficiently. All structural members are stress relieved for maximum stability, and all mounting surfaces are precision ground and/or machined.

✓ Flexible Tooling

The EDGE XL features sixty (60) tool change locations providing capacity for several tool profiles. Tool holder forks are located on the back of the machine, allowing easy access for operators to remove and replace tools as needed.

✓ Precision Motion

The major axes of the EDGE XL are driven by ball screws with rotating nuts. This provides a fast and reliable drive system that has a stiff, zero backlash construction. The bridge and carriage traverse on precision ground profiled linear rails supported by sealed ball bearing blocks to provide high accuracy motion and rigidity.

✓ Easy 2 Use

The EDGE XL includes on board software that allows users to program at the machine with easy, parametric programming functions. Programs can also be accomplished at a CAD station and then loaded directly to the machine.

✓ Large Table Size

The large aluminum work surface (156" x 96") allows the operator to process an entire slab worth of countertops in one setup. The large bed reduces tables changeovers, increases spindle ON Time, and maximizes machine output & performance.

✓ Powerful Spindle

The EDGE XL features a direct drive 20 HP spindle, capable of running at 12,000 rpm. Water for the cutting process is connected to the spindle for cooling through the cutting tool as well as around the outside of the cutting tool through a halo coolant ring.

UTILITY REQUIREMENTS

System Power

One (1) Circuit: 220V, 100A, 3 phase, 60Hz

External Water Tool

One (1) 1" barb fitting

Minimum 10 GPM @ 35 PSI

Internal Tool Water

One (1) 1/2" barb fitting

Minimum 5 GPM @ 35 PSI

Vaccum Pump Water

One (1) 3/4" barb fitting

Minimum 4 GPM @ 35 PSI

Air Requirements

20 CFM at 100 PSI

All air supplied must be dry

STANDARD LAYOUT

