



Fully Automated Sharpening System

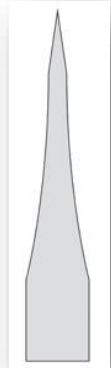
Developed By:

COZZINIPRIME**Edge**
CUTTING EDGES AND SHARPENING SOLUTIONS

PRIMEDGE, INC. • 1281 ARTHUR AVE • ELK GROVE VILLAGE, IL 60007-5705 • U.S.A.
TEL: 877.322.3343 • FAX: 224.265.6638 • SALES@PRIMEDGE.COM • WWW.PRIMEDGE.COM



Creates the Perfect Sharp Edge, Every Time



- HOLLOW GROUND BEVELED EDGE
- BEVEL FROM HANDLE TO POINT
- LONG LASTING TAPERED EDGE
- LESS EFFORT IN CUTTING
- IMPROVED ERGONOMICS
- INCREASED KNIFE LIFE



**CONTINUOUS SIMPLE WITH DUAL RETRACTABLE DRAWERS
FOR EASY KNIFE LOADING • NO DOWN TIME**

The Fully Automated **COZZINI**PRIME**Edge** knife sharpening System **ROBO**Edge is a 4-step process* that includes Detection of the profile of the knife, Hollow Grinding of the blade, Honing of the cutting edge, and Polishing of the knife. **ROBO**Edge creates the perfect sharp edge, every time.

**System's programming is flexible to allow it to skip any of these steps based on the customer's needs.*

Loading system:



Dual tray System easy to load ensures continuous feed to the sharpening area inside the System.

Knife recognition:

- Knife recognition is the first step, two series of photocells identifies the profile and the thickness of the cutting edge and controls the sharpening process based on the information detected.

Hollow grinding:

- Two automatically adjusted long lasting cup 150 mm cup thin the blade to prepare the knife for the next step.
- Coolant recirculation system by means of an electric pump and collection in a tank avoids overheating of the blade during grinding process.
- 2 (two) 4 KW motors
- Automatic adjustment of cup wheels by mean of Brushless motors

Honing:

- Two automatically adjusted spiral honing wheels are automatic adjusted and timed to perform a perfect sharpening of the cutting edge
- Automatic cutting angle adjustment
- Coolant recirculation system by means of an electric pump and collection in a tank avoids overheating of the blades
- 2 (two) Brushless motors 1 KW 3,32 n/m

Polishing:

- Two automatically adjusted polishing wheels guarantee a smooth and shining cutting edge removing all impurities deriving from the sharpening process, guaranteeing a smooth cut, and reducing resistance for all type of applications.
- Automatic high-pressure dosing system for the polishing compound including a polishing compound reservoir
- 2 (two) Motors 2,2 KW
- Automatic adjustment of polishing wheels by mean of brushless motors

Additional technical information:

- X and Y axes are controlled by a Brushless motor
- R axe by a torque motor
- Pneumatic Grippers go up to 100kg of pressure on the knife handle
- Automatic lubrication system of main guides

Electrical and electronic:

- Electrical panel includes all electrical and electronic components and it is installed inside the machine frame
- High frequency PLC
- Operator panel view mounted on a swinging arm allows the operator to control the machines from different angles

Dimensions:

- Width = 3220 mm
- Depth = 2905 mm
- Total Height = 2900 mm

Supplies required: PLEASE CONFIRM ELECTRICAL POWER REQUIREMENTS WHEN ORDERING!

- Electrical 440/220 V 60 Hz 3 Phases + Ground 50/70 Amps
- Compressed Air 6 bars

ROBOEdge Sharpening System does not include water tank and recirculation pumps

Heavy duty frame assures protection and guarantees operator safety. System is CE approved.

Photocells assures protection for the operator and avoids any interference with the movements of the loading tray while in operation.

PRIMEEdge, Inc. STANDARD TERMS AND CONDITIONS OF SALE

Acceptance:

This quotation shall expire thirty days after its date, unless otherwise stated herein.

Prices:

The prices specified herein do not include sales, use, occupation, license, excise or other taxes in respect to manufacture, sale or delivery, all of which shall be paid by the Purchaser, unless a proper exemption certificate is furnished.

Terms:

For reasons outside of Seller's control, Buyer by choice or due to transport problems may delay shipments. Any payment terms tied to shipment of equipment shall be due and payable immediately upon equipment ready to ship and Seller providing necessary information or documents to Buyer for shipping purposes. If not otherwise specified in this quotation the terms of payment shall be balance net within thirty (30) days of date of invoice.

Delivery:

Delivery dates are provided in good faith and Seller will strive to meet, but date may be subject to change for reasons out of PRIMEEdge control. Reasons (not all-inclusive) that could affect delivery date could be caused by late approval of drawings, late information, changes or updates of project scope, process or equipment specifications, material supply/sourcing issues and availability of transport. Customer waives and releases any claims against PRIMEEdge regarding delivery dates.

Storage:

Customer will be responsible for providing a location, if needed, that can safely store and protect equipment/components from any physical or environmental damage or theft. Any problems/repairs/costs incurred from the preceding will be the sole responsibility of the Customer.

Warranties:

This quotation shall expire thirty days after its date, unless otherwise stated herein. PRIMEEdge and its subsidiaries warrant all equipment it manufactures for a period of one (1) year from date of final invoice. All components not manufactured but sold by PRIMEEdge are covered under the original manufacturer's warranty. All warranties apply provided the equipment is operated under normal conditions specified by the procedures and maintenance guidelines illustrated in the equipment manual. PRIMEEdge shall not be liable for any other damages, direct, indirect or consequential, and specifically any recall of products and associated costs. PRIMEEdge will only be liable to the extent of repairing or replacement of defective parts; freight to and from our facility will be the responsibility of the customer. Under no circumstances will PRIMEEdge be liable for product loss. Failure to follow procedures and maintenance guidelines as specified will void all product warranties. Use of any replacement parts on this equipment that are not approved by PRIMEEdge as authorized replacement parts shall void all warranties.

Safety Devices & Guards:

Buyer shall use and require its employees to maintain and use all safety devices and guards required by applicable laws and regulations and follow all safe operating procedures including but not limited to those safety devices, guards and procedures provided by Seller and to those installations, operations and maintenance procedures set forth in any training, manuals or instruction documents furnished by Seller. Tampering, eliminating or disconnecting safety guards and devices become the sole responsibility of the Buyer. Buyer shall indemnify and hold Seller harmless from any liability claims, judgments, costs and expenses (including attorney fees) for personal injury (including death) and property damage arising out of the operation of the equipment or the Buyer's failure to discharge its obligation as set forth herein. Buyer shall notify Seller promptly and in any event within ten (10) days of any accident or malfunction involving Seller's products which results in personal injury or product damage and shall cooperate fully with Seller in all investigations to determine the cause of such accident or malfunction.

Compliance with Laws & Regulations:

Seller strives to comply with the provisions of all federal, state, and local laws, standards and regulations for which liability may occur to Buyer for violations thereof. However, Seller does not warrant that any equipment and features meet the requirements of any federal, state, or local laws on regulations identifying these issues under OSHA, ANSI, or other regulatory agencies. The equipment described herein is provided only with the safety devices and features identified for the application specifications. The Buyer shall review all equipment for safety devices and guards and develop safe procedures and ensure their use. Should the customer require any additional devices or features, they should be specifically identified, and Seller will amend this quotation accordingly.

Cancellation:

Undelivered parts of any order may be cancelled by the Buyer only with the written approval of PRIMEEdge. Such notice will be subject to a cancellation charge in addition to reasonable costs and expenses (including engineering expenses and all commitments to PRIMEEdge's vendors incurred by PRIMEEdge prior to the receipt of notice of cancellation, for raw material and semi-finished goods purchased specifically for the equipment in question.