

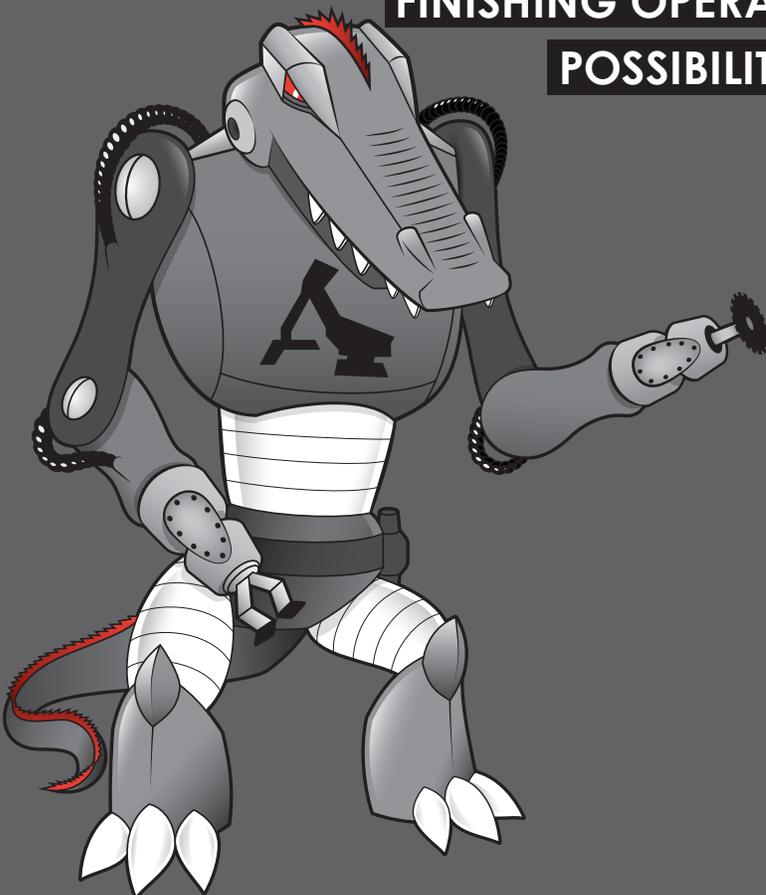
IRONGATOR

FOUNDRY SPECIALIST™

FINISHING OPERATION FOR 120 TO 360 PIECES/HR

POSSIBILITY OF INSPECTION BY THE ROBOT

WORKPIECE OF ANY SHAPE



AUTOMATECHRobotik

With almost 20 years of experience, Automatech Robotik has been helping SMEs with their robotic and automation projects, developing customized solutions that address their specific needs.

IRONGATOR FOUNDRY SPECIALIST™

IronGator is a robotic cell developed by Automatech Robotik to execute finishing work on metal casting pieces made of grey iron, ductile iron or any other specialized alloy.

IronGator assists workforce in the most repetitive and physically challenging tasks. The operator feeds workpieces safely from outside the cell and IronGator perfectly grinds or cuts exceeding metal produced earlier by the casting process. When the piece is completed, it is put into a box or sorted according to the customer's needs. Depending on the dimension and complexity of the piece to process, IronGator, equipped with a tool changer, can adapt itself to the piece currently in production. It takes the pieces and feeds them to fixed grinders for great production capabilities, or directly works on the piece if it is oversized and complex.

Of an extreme flexibility, IronGator is always ready to accept workpieces of new shapes as the needs of the customer evolve over time. Different types of industrial vision technology are used to help the robot always precisely position the piece, regardless of how it is introduced in the cell. Inspection of the piece can also be done by a complementary artificial vision system.



EXTERNAL FEEDING BY CONVEYOR

Workpiece fed by the operator and the robot manipulates the piece

- + Gripping of pieces without jig, positioning by vision
- + Robotic gripping tool selected depending on the piece in production
- + Feeding by a simple conveyor
- + Pieces exit by boxes, conveyor, palletized or sorted
- + System for handling boxes or pallets available
- + Standard system for pieces up to 50 lb

FEEDING BY MECHANISM, MACHINE OR JIG

Workpiece is held in place and the robot manipulates the tools

- + Oversize, odd and/or overweight pieces
- + Eliminates the risk of human error and injuries
- + Possible high cutting force

OTHERS PRODUCTS AND SERVICES

- Ernest Cabinet Maker™
- Colorio Painting Robot™
- Robotic Welding
- Robotic sanding
- Robotic milling
- Automated warehouse
- Palletizing
- Automation
- Custom projects

MORE ABOUT IRONGATOR

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