

### Machine Options

Along with the standard Multi-Link Extractor, Rimrock offers many options to tailor the extractor to your die casting needs.

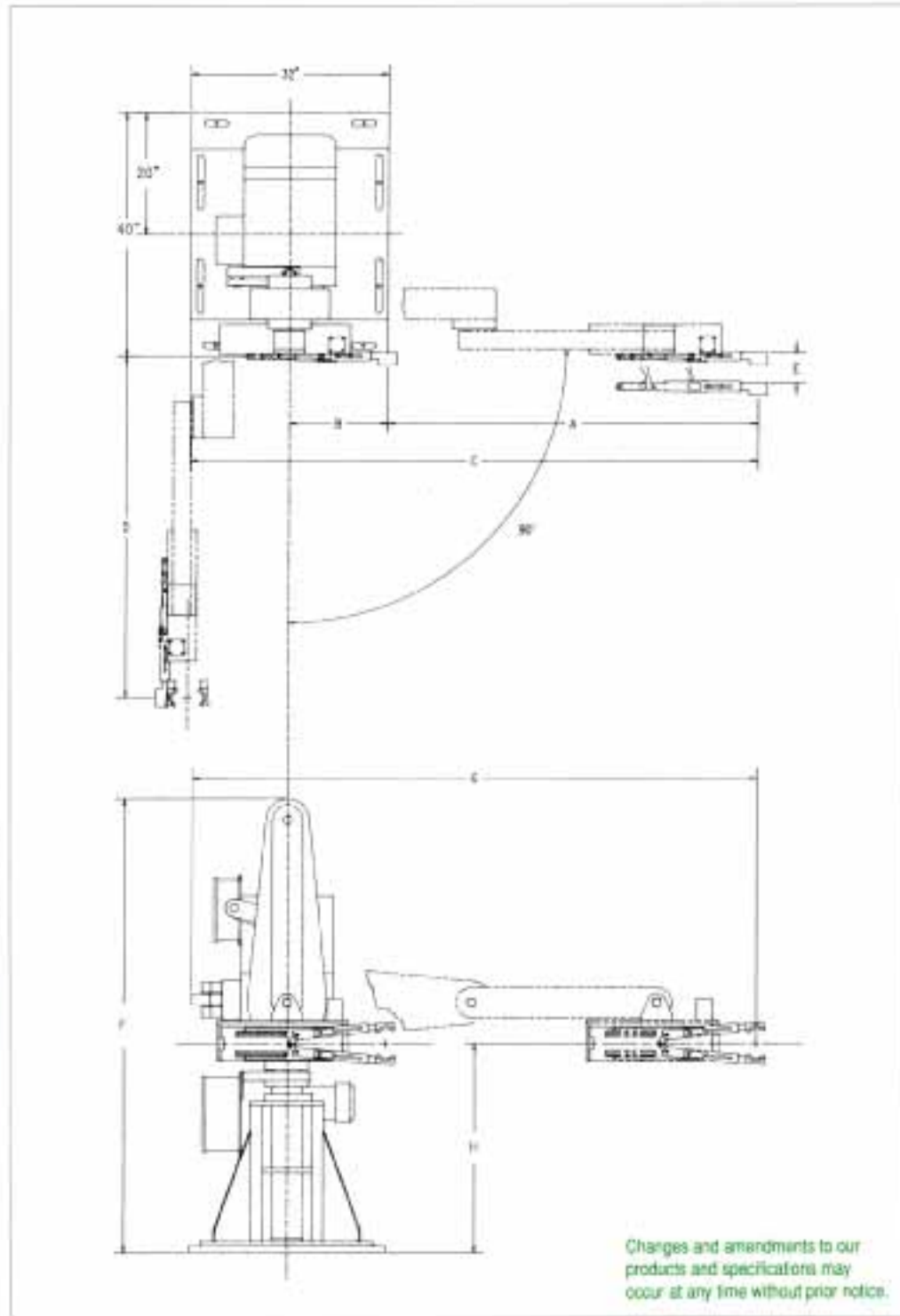
- Base Slide - Additional straight line casting removal system
- Built-in Power Base - Self contained hydraulic power unit
- Remote Hydraulic Power Unit
- Alternative Wrist Clamp and Extend Mechanism available
- Remote Key Pad Enable Kit
- Quick Disconnect - Main Cable
- Pressure Reducing Valve and Filter Assemblies
- Shot Height Spacers

Stroke "A"	B	C	D	E (Adj)	F	G	H
40"	16	72	36	5" max	H+31.5	71.5	To fit DCM
60"	16	92	56	5" max	H+41.5	91.5	To fit DCM
80"	16	112	76	5" max	H+51.5	111.5	To fit DCM

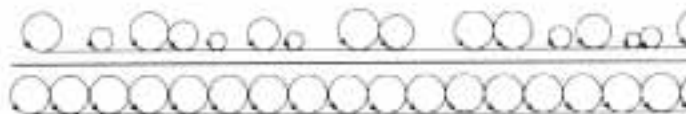
Dimensions in inches

**Reduce your production cost and increase your productivity with Rimrock:**

- Multi-Link Ladlers
- Multi-Link Reciprocators
- Multi-Link Extractors
- Model 195 Extractors
- Trim Beds
- Conveyors
- Plunger Lube Systems
- Spray Equipment
- MFT System



Inconsistent castings produced without the use of automation equipment.



Use automation equipment and your castings will be the same every time.

Diameter = cycle times

## 320 MULTI-LINK EXTRACTOR

# 320 MULTI-LINK EXTRACTOR

AUTOMATIC EXTRACTING SYSTEM FOR THE DIE CASTING INDUSTRY

- Auto Teach
- Requires minimal floor space
- Proven extend and clamp mechanism
- Improved cycle times
- Microprocessor controls  
(Common to all Rimrock equipment)



Reducing Industry's Production Cost

### Model 320 Multi-Link Extractor

Rimrock's Model 320 Multi-Link Extractor built for today's die casting industry - **versatile and compact**. It features all motions necessary to remove castings from the die cast machine while requiring minimal floor space. The proven extend and clamp mechanism allows for straight line removal of castings. Use of Rimrock microprocessor controls provide reliability and ease in operator learning and use.



Rimrock Common Controls

The control panel is patterned after Rimrock's other multi-link products. It uses a highly reliable microprocessor based control system with fully programmable keypad entry system. The keypad panel displays and allows changing of numerical settings and positions while in automatic cycle mode (Auto Teach), without cycle interruption. The current program is stored in nonvolatile memory so power losses or daily shut-downs do not necessitate reprogramming.

The control system allows for smooth high speed machine operation. All parameters are easily taught using die cast language.

The proven Rimrock extend and clamp mechanism maintains optimum speed-force ratios, from high speed low force travel to the low speed high force travel, used to remove castings from ejector pins. This linkage operates in a straight line motion to effectively eliminate die and ejector pin damage.

Simple one-cam slide adjustment allows for an extension up to 5"; up to 8" is optional. If greater movement is required refer to the Alternative Wrist Clamp and Extend Mechanism.

Machined and hardened clamp paw pads provide firm, exact grasp of the casting with consistent release. Paw pads are designed for specific sprue and biscuit configurations to assure solid grasp of any casting.



Proven Clamp Mechanism - in motion



Alternative Wrist Clamp and Extend Motion

Alternative Wrist Clamp and Extend Motion is used in addition to or in replacement of the standard extend and clamp mechanism. It provides up to 18 inches of additional motion.



Fully Retracted

The extractor at its rest or home position. Note the machine's compact design. The fold up links reduce required floor space by approximately 25% when compared to previous models.



Fully Extended

Arm is fully extended into the die cast machine.



Arm Drive

Swing Drive

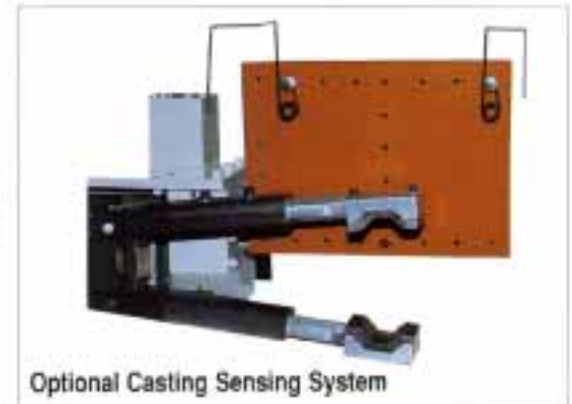
The arm and body crank drives provide swift, clean, harmonic movement.



Base Plate

The adjustable base plate allows for 8" of die height adjustment, and a shot height adjustment to meet all die cast machines.

The Rimrock Optional Automatic Parts Sensing System assures the part is removed from the die cast machine before the next cycle. The sensing system is integrated with the basic cycle and can sense multiple cavity dies, without additional cycle time.



Optional Casting Sensing System



Partial Extend - rolled down - drop off position

This is the programmable mid drop off position with the gripper rolled down and the part dropped off. Many cycle modifiers and drop off configurations are available.

# 320 MULTI-LINK EXTRACTOR