



PAPER CUTTER
ROBOCUT COMPUTER CUTTER



eRC SERIES

PREPARATION FOR COMPLYING WITH CIP4 HAS BEEN COMPLETED



Now revolution of the print workflow attracts attention. Information control linking the design, pre-press, print, and post-print processes has potentials of generating new values. Itotec caught near-future cutting scenes and finished preparation for complying with CIP4 at the earliest timing. eRC has superior operability and extendable LCD touch panel to make it possible to work according to the future requirements.



MECHANICAL FEATURES AND STANDARD EQUIPMENT



SHEAR BOLT (SAFETY BOLT)

Should the knife strike a hard material, shear bolts are broken to avoid serious damage to the machine.

KNIFE DRIVE DOUBLE-ENDED PULL

For an even cut from end to end and excellent all-round knife-cutting performance, only the double-ended pull system can deliver the power and precision.



ERC SERIES



BALL BEARING SCREW AND L.M.GUIDE

A combination of ball bearing screw and linear motion slide way for the backgauge ensures smooth and uniform movement even at low speed, sensitive and correct movement corresponding to input and superb durability.



MAGNETIC CLUTCH AND BRAKE

The clutch is of spring closing type which does not drive the knife' even at a sudden power suspension and is free from the conventional carbon brush troubles. (No carbon brush is used.)



PHOTO-ELECTRIC BEAMS SAFETY GUARD

A set of infra-red light beams is projected in front of the cutting zone just above the table to avoid accident.



AIR TABLE WITH CHROME-PLATING

The built-in air-table enables the operator to efficiently manipulate heavy and bulky stock with ease. The chromed table gathers no rust.



OPTICAL CUTTING LINE

An optical cutting line is illuminated across the knife width. Operator can memorize the cutting data without descending the clamp.



SLOT CLOSING TAPE

A slot closing tape covers the slot (Groove) in the center of the main table to avoid trapping of paper and dust falling onto the ball bearing screw.



KNIFE CHANGING DEVICE

With this knife changing device, the knife can be changed easily and safely by a single operator.



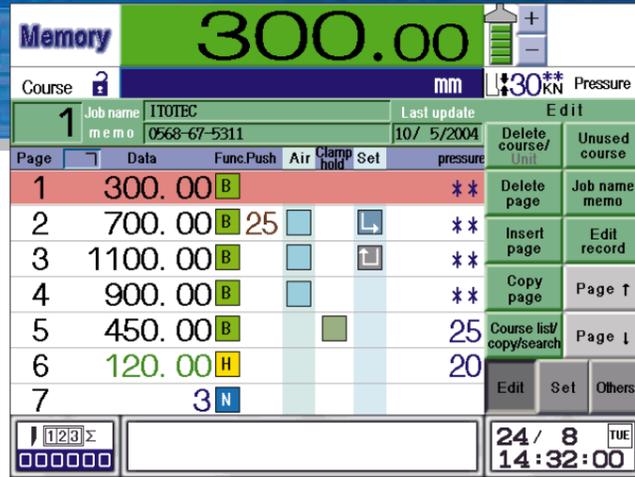
CENTRAL LUBRICATION SYSTEM

All of major oiling points are lubricated by the central lubrication pump.

MANY OPTIONAL UNITS

Robo-trim, inverter unit and other optional units manufactured to meet various requirements such as quality, operability and power saving are prepared.

FEATURES OF eRC MICRO COMPUTER



LCD TOUCH PANEL

The touch panel type color LCD panel is of a light and easy-to-recognize TFT 8.4" type. Because seven pages are displayed at a time (center hold type scroll), course work description can be checked easily with reduced number of entry errors.

CHARACTER ENTRY THROUGH KEYBOARD

A keyboard is displayed on the touch panel for character entry.



INSERTION/DELETION OF MEMORY

Even after a job is memorized, any data can be inserted and/or deleted freely, excepting when plural jobs are memorized in the course.

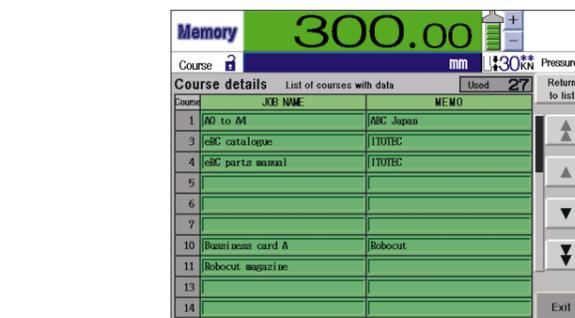
MESSAGE WINDOW AND ALARM FUNCTION

Knife change and oil change announcements are displayed with icons. The current state of the cutting machine is at a glance. Various alarm functions notifying of the location and description of a fault or entry errors are prepared.



COURSE LIST AND DETAILS

The used and empty course data for every 100 courses is displayed at the number panel. Further, course details show the job name and memo for every 10 courses, so that the description of the job can be searched for quickly. Movement and copy of courses can be made easily through operation at the number panel.



PROGRAMMING IN 3 WAYS

1. Memorizing the cutting data through actual cutting jobs.
2. Memorizing the cutting data by Ten-Key buttons.
3. Memorizing the backgauge travelling data without both of knife acting and Ten-Key operation.

PUSH OUT

For safe and efficient operation, the backgauge can be programmed to push out the paper stack after cutting and then to return to the next cutting position.

STACKING OF PAPER

For easy stacking of large size sheets before the first cutting, the backgauge position for stacking can be programmed.

AIR CUSHION CONTROL

Air cushion allows operator to program air on/off regardless of forward or backward movement of the backgauge.

AIR EXPELLING FROM PAPER STACK

The backgauge stops automatically at the memorized position and the clamp descends to expel air from paper stack. Of course, the knife does not descend at that time.

CLAMP TIMER

Set a delay in the ascent of the clamp to push the cut workpiece against the clamp and assort it easily.

CLAMP PRESSURE

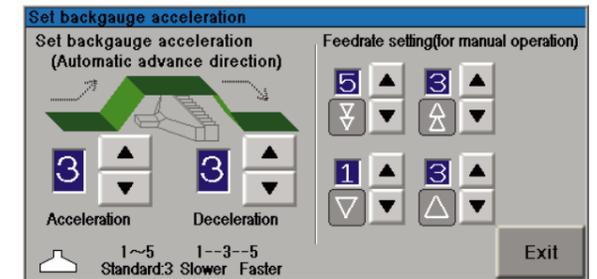
Set the clamp pressure for each course.

CALCULATOR

The function of calculator is built-in and the result of calculations can be stored.

METRIC/INCH CONVERSION

Conversion in inch fraction is also possible.



BACKGAUGE ACCELERATION SETTING

Series of backgauge movements from the starting speed at the start of movement to deceleration and stop can be controlled as well as the speed. Best for prevention of workpiece collapse.

BACKGAUGE MOTOR

AC servo motor is used for backgauge drive. So, free from the troublesome maintenance of carbon.

READING OF BACKGAUGE POSITION

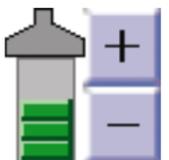
The pulse encoder of 2000 pulse reads out the exact position of backgauge. For example, it is possible to control the continuous movement of the backgauge in the minimum dimension of 0.01 mm or 0.001 inch continuously.

DISPLAY OF BACKGAUGE POSITION

Backgauge position (cutting dimension) is displayed on the digital panel in the unit of 0.01 mm or 0.001 inch.

CHANGE OF BACKGAUGE SPEED IN 5 STEPS

Backgauge speed can be changed by touch panel in 5 steps, which enables to select the most suitable speed according to the kind of jobs.



STANDARD/OPTIONAL EQUIPMENT AND ACCESSORIES OF MODEL eRC

| | 100 | 115 | 137 | 160 |
|--|-----|-----|-----|-----|
| Automatic star delta switch | ○ | ○ | ○ | ○ |
| Air cushion table | ○ | ○ | ○ | ○ |
| Chrome plated table | ○ | ○ | ○ | ○ |
| Shear bolts | ○ | ○ | ○ | ○ |
| Optical cutting line | ○ | ○ | ○ | ○ |
| False clamp plate | ○ | ○ | ○ | ○ |
| Slot closing tape | ○ | ○ | ○ | ○ |
| Cutting stroke counter | ○ | ○ | ○ | ○ |
| Knife changing device | ○ | ○ | ○ | ○ |
| Knife lifter by manual | △ | △ | △ | △ |
| Knife lifter by motor | △ | △ | △ | △ |
| Knife (SKH-2) 2 pcs. | ○ | ○ | ○ | ○ |
| Cutting stick 5 pcs. | ○ | ○ | ○ | ○ |
| Tool kit | ○ | ○ | ○ | ○ |
| Instruction manual | ○ | ○ | ○ | ○ |
| Operation manual | ○ | ○ | ○ | ○ |
| Cast-iron side table with air cushion 550X750 mm | ○ | ○ | ○ | △ |
| Cast-iron side table with air cushion 650X950 mm | △ | △ | △ | ○ |

○ equipment △ optional

UNLOADER **RU4.0/ RU4.1**

Compact Yet It Conserves Energy For The Paper Unloading Process

The free lay-out system utilizes the limited space most effectively.

LCD with a touch panel simplifies operations for error displays and self-check or the like.



Design that places pallets on the floor

The unloader can be connected to any paper cutter and the design that places pallets on the floor eliminates the need for pit construction.

Easy operation

Change in paper size involves only one switch.

Self-check function

It checks that the safety sensor functions correctly upon start of operation to ensure safety.

Various settings

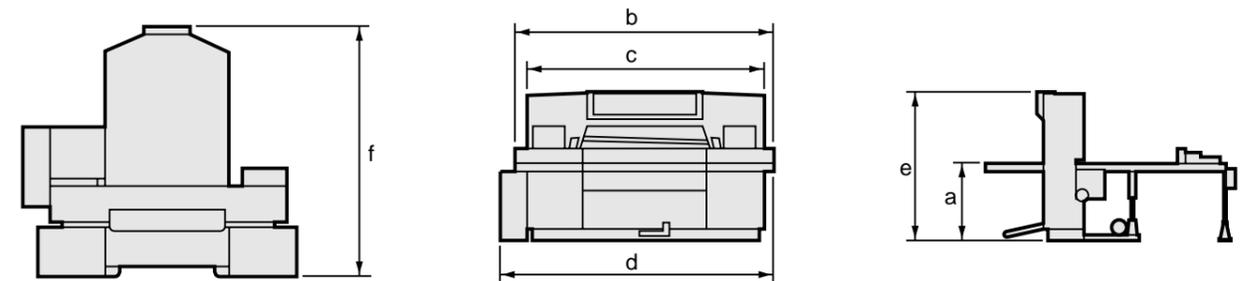
As the settings for the stack pressure and stack gap timer are digitally displayed, constant settings are available.

Error message function

When an error occurs, the location of the error, date and time of occurrence are shown as an error message and stored in the records.

SPECIFICATIONS

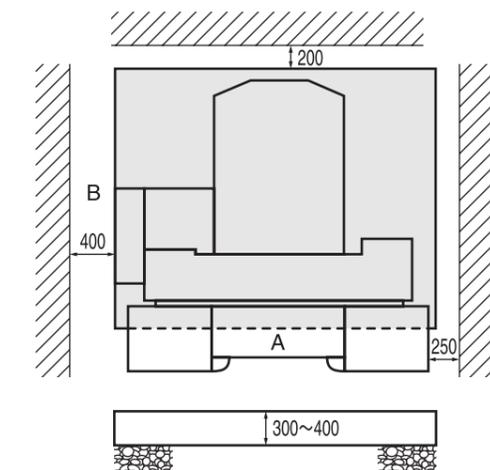
| | 100 | | 115 | | 137 | | 160 | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| Cutting width | 40 1/2" | 1030 mm | 46" | 1168 mm | 54" | 1370 mm | 63" | 1600 mm |
| Clamp opening | 6 1/2" | 165 mm |
| Cutting depth | 39" | 1000 mm | 45 5/8" | 1160 mm | 52" | 1320 mm | 63" | 1600 mm |
| Front table length | 27 1/2" | 650 mm | 27 1/2" | 700 mm | 27 1/2" | 700 mm | 27 1/2" | 700 mm |
| a. Table height | 34 1/2" | 875 mm | 34 1/2" | 875 mm | 34 1/2" | 875 mm | 40 1/2" | 890 mm |
| b. Table width | 99 1/2" | 2530 mm | 105" | 2668 mm | 113" | 2870 mm | 137 3/4" | 3500 mm |
| c. Machine width | 90" | 2285 mm | 93 3/4" | 2380 mm | 103 1/2" | 2630 mm | 116 1/2" | 2960 mm |
| d. Machine width(total) | 104 3/4" | 2660 mm | 109 3/8" | 2790 mm | 118 1/2" | 3010 mm | 139 3/8" | 3540 mm |
| e. Machine height | 64 1/2" | 1660 mm | 65 1/3" | 1660 mm | 64 1/2" | 1640 mm | 72" | 1730 mm |
| f. Machine length | 96" | 2440 mm | 102 3/4" | 2610 mm | 108 1/2" | 2760 mm | 126 3/4" | 3220 mm |
| Knife stroke | 42" | | | | | | | |
| Clamp pressure | 880-8800 lbs. | 400-4000 daN |
| Net weight | 7040 lbs. | 3200 kg | 9020 lbs. | 4100 kg | 9900 lbs. | 4500 kg | 13800 lbs. | 5500 kg |
| Total power required | 4.5 kw | | 5.2 kw | | 5.55 kw | | 7.4 kw | |



Designs and specifications are subject to change with/without notice.

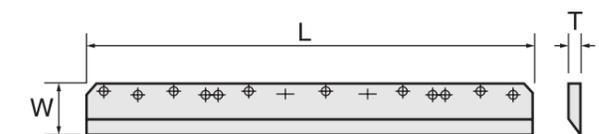
FLOOR PLAN FOR INSTALLATION

| SIZE | A | B |
|------|---------|---------|
| 100 | 2665 mm | 2095 mm |
| 115 | 2850 mm | 2230 mm |
| 137 | 3060 mm | 2385 mm |
| 160 | 3482 mm | 3185 mm |



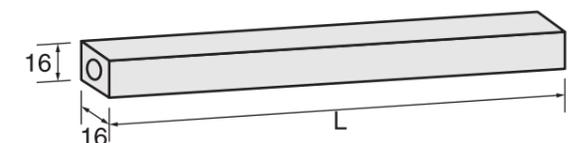
KNIFE SIZE

| SIZE | L | W | T | Bolts | Knife angle |
|------|---------|--------|---------|-------|-------------|
| 100 | 1270 mm | 150 mm | 12.7 mm | 12 | 21° |
| 115 | 1410 mm | 150 mm | 13.7 mm | 13 | 21° |
| 137 | 1610 mm | 150 mm | 13.7 mm | 15 | 21° |
| 160 | 1850 mm | 165 mm | 14.2 mm | 16 | 21° |



STICK SIZE

| SIZE | L |
|------|---------|
| 100 | 1041 mm |
| 115 | 1193 mm |
| 137 | 1395 mm |
| 160 | 1618 mm |





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