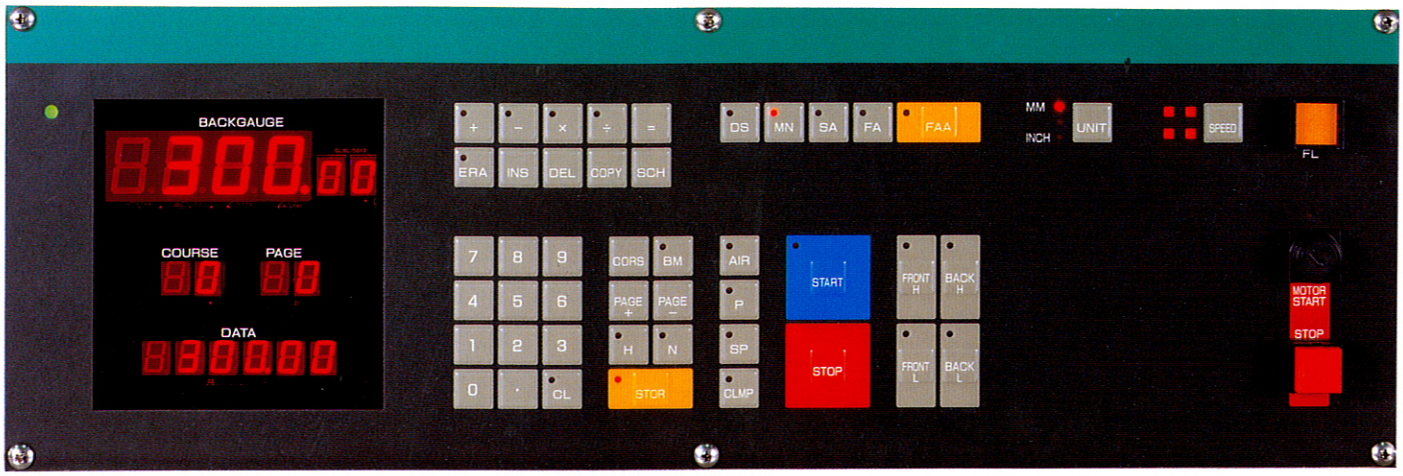
ITOH GUILLOTINE FC SERIES

Founded in 1919, ITOTEC CO.,LTD. have a long history of success in manufacturing and selling guillotines of the highest quality.

We developed the computer controlled guillotine first in the world in 1972 and have today established the leading name in the field of the most advanced techniques for the computerized guillotines.

FEATURES OF FC MICRO COMPUTER



MEMORY CAPACITY

The FC micro computer has 3000 pages of memory capacity consisting of 100 courses of 30 pages.
When more than 30 pages are required in a course, extra 20 pages can be bridged for making the total of 50 pages in the course.
10 courses are available for such additional jobs.

MEMORY OF PLURAL JOBS

It is capable of memorizing plural different jobs in a course.

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 action and Ten-Key operation.

DISPLAY OF BACKGAUGE POSITION

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

METRIC/ INCH CONVERSION

Conversion in inch fraction is also possible.

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.

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.

AIR CUSHION CONTROL

Air cushion control 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.

SEARCH OF VACANT COURSE

The nearest vacant course can be found automatically by pressing the search button.

COPY FUNCTION IN 2 WAYS

1. A block of data can be transfered to the other pages within the same course automatically.
2. When cutting into equal divisions, the size of each division can be calculated automatically and also the data of repeat cutting are memorized automatically.

INDEPENDENT POSITIONING OF BACKGAUGE

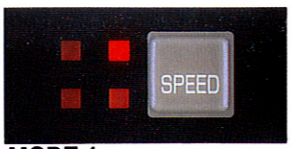
In manual mode, positioning of the backgauge can be set by Ten-Key buttons regardless of the existing memory.
This function is very convenient when a small volume of job must be inserted urgently.

CALCULATOR

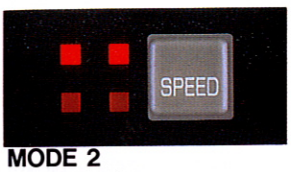
The function of calculator is built-in and the result of calculations can be stored.

CHANGE OF BACKGAUGE SPEED IN 4 STEPS

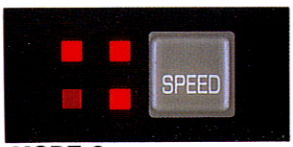
Backgauge speed can be changed by dial switch in 4 steps, which enables to select the most suitable speed according to the kind of jobs : —



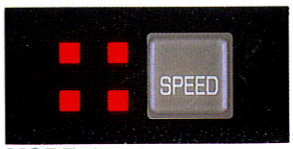
MODE 1
Forward. very slow
Backward. ordinary



MODE 2
Forward. slow
Backward. ordinary



MODE 3
Forward. ordinary
Backward. ordinary



MODE 4
Forward. fast
Backward. fast

BACKGAUGE TRAVEL CONTROL

The movement of backgauge is controlled in stepless system which results extremely smooth start and stop.
So, even very small labels can be pushed out neatly and smoothly after cutting.

BACKGAUGE MOTOR

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

READING OF BACKGAUGE POSITION

The pulse encoder of 2000 pulse reads out the exact position of backgauge and the encoder is connected directly with the ball bearing screw of the backgauge, which ensures smooth and accurate movement of the backgauge and its precise positioning.
For example, it is possible to controll the continuous movement of the backgauge in the minimum dimention of 0.01 mm or 0.001 inch continuously.

MECHANICAL FEATURES AND STANDARD EQUIPMENT

KNIFE DRIVE BY 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.

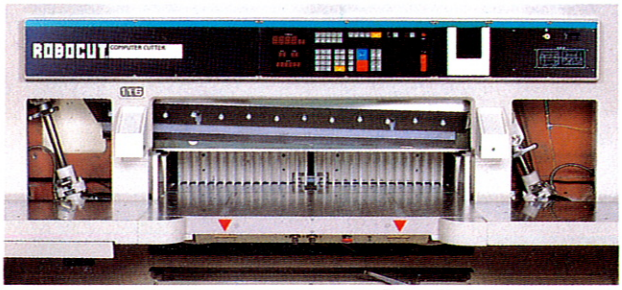
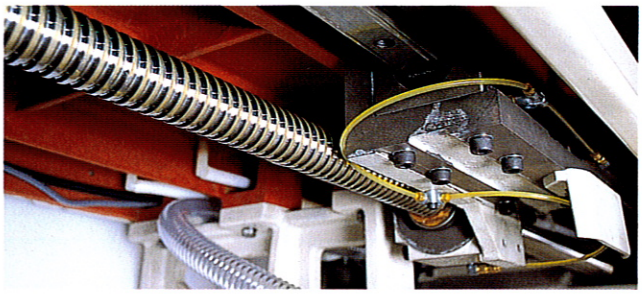


Photo: Single beam safety guard

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.

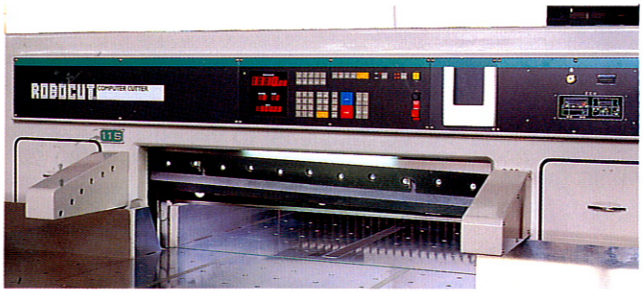


AIR TABLE (WITH CHROME-PLATING : OPTION)

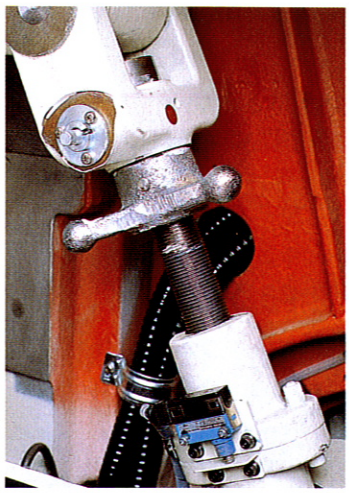
The built-in air-table enables the operator to efficiently manipulate heavy and bulky stock with ease.
The chromed table gathers no rust.

PHOTO-ELECTRIC 6 OR 8 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.



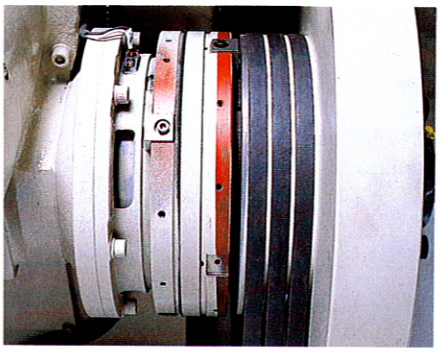
SHEAR BOLT (SAFETY BOLT)



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

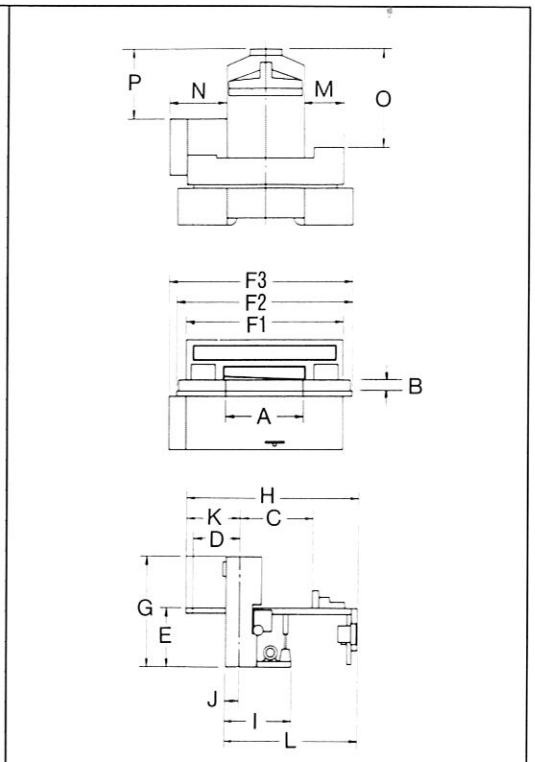
MAGNETIC CLUTCH AND BRAKE

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.)



SPECIFICATIONS

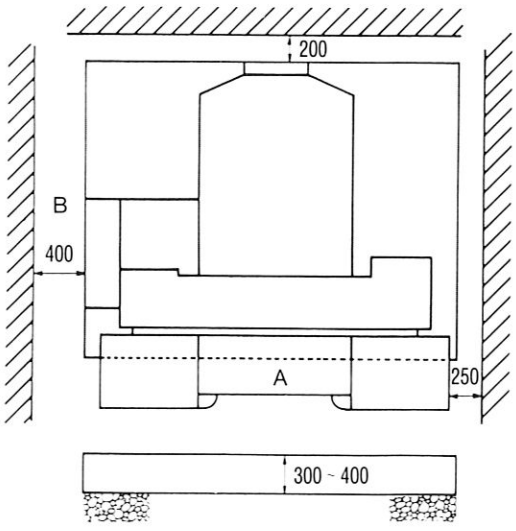
		100	115	137	160	170	200
A. Max. Cutting width	(mm)	1016	1168	1370	1600	1700	2000
B. Clamp opening	(mm)	145	165	165	165	165	130
C. Max. Cutting length	(mm)	1016	1160	1320	1600	1700	2000
D. Front table length	(mm)	650	700	700	700	750	750
E. Table height	(mm)	875	875	875	890	890	870
F1. Main body width	(mm)	2200	2380	2630	2960	3055	3260
F2. Table width	(mm)	2516	2668	2870	3500	3600	3900
F3. Machine width	(mm)	2620	2790	3010	3540	3630	3900
G. Machine height	(mm)	1590	1640	1640	1730	1730	1690
H. Machine length	(mm)	2470	2610	2760	3220	3380	3660
I. Main body length	(mm)	940	1030	1030	1030	1060	1120
J.	(mm)	335	235	235	235	265	265
K.	(mm)	810	810	810	930	930	910
L.	(mm)	1895	2030	2180	2520	2710	3010
M.	(mm)	500	570	600	640	650	610
N.	(mm)	810	830	850	950	940	890
O.	(mm)	1180	1320	1470	1810	1970	2270
P.	(mm)	890	1030	1180	1460	1620	1920
Knife stroke/min		42	42	42	42	42	42
Clamp pressure	(kg)	400-4000	400-4000	400-4000	400-4000	400-4000	400-4000
Net weight	(kg)	3200	3950	4500	5500	5800	6200
Main motor	(KW)	3.7	3.7	3.7	5.5	5.5	5.5
Backgauge motor	(KW)	0.4	0.4	0.4	0.4	0.4	0.4
Blower motor	(KW)	0.4	0.75	0.75	0.75×2	0.75×2	0.75×2
Total power required	(KW)	4.5	4.85	4.85	7.4	7.4	7.4



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

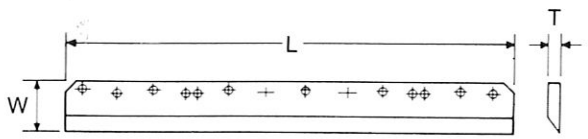
FLOOR PLAN FOR INSTALLATION

SIZE	A	B
100	2665mm	2095mm
115	2850mm	2230mm
137	3060mm	2385mm
160	3480mm	2720mm
170	3560mm	2900mm
200	3830mm	3185mm



SIZE

SIZE	L	W	T	Bolts	Knife angle
100	1220mm	140mm	12.7mm	12	21°
115	1410mm	150mm	13.7mm	13	21°
137	1610mm	150mm	13.7mm	15	21°
160	1850mm	165mm	14.2mm	15	21°
170	1900mm	165mm	14.2mm	16	21°
200	2260mm	160mm	14.2mm	19	21°



SIZE

SIZE	L	SIZE	L
100	1041mm	160	1618mm
115	1193mm	170	1725mm
137	1395mm	200	2025mm