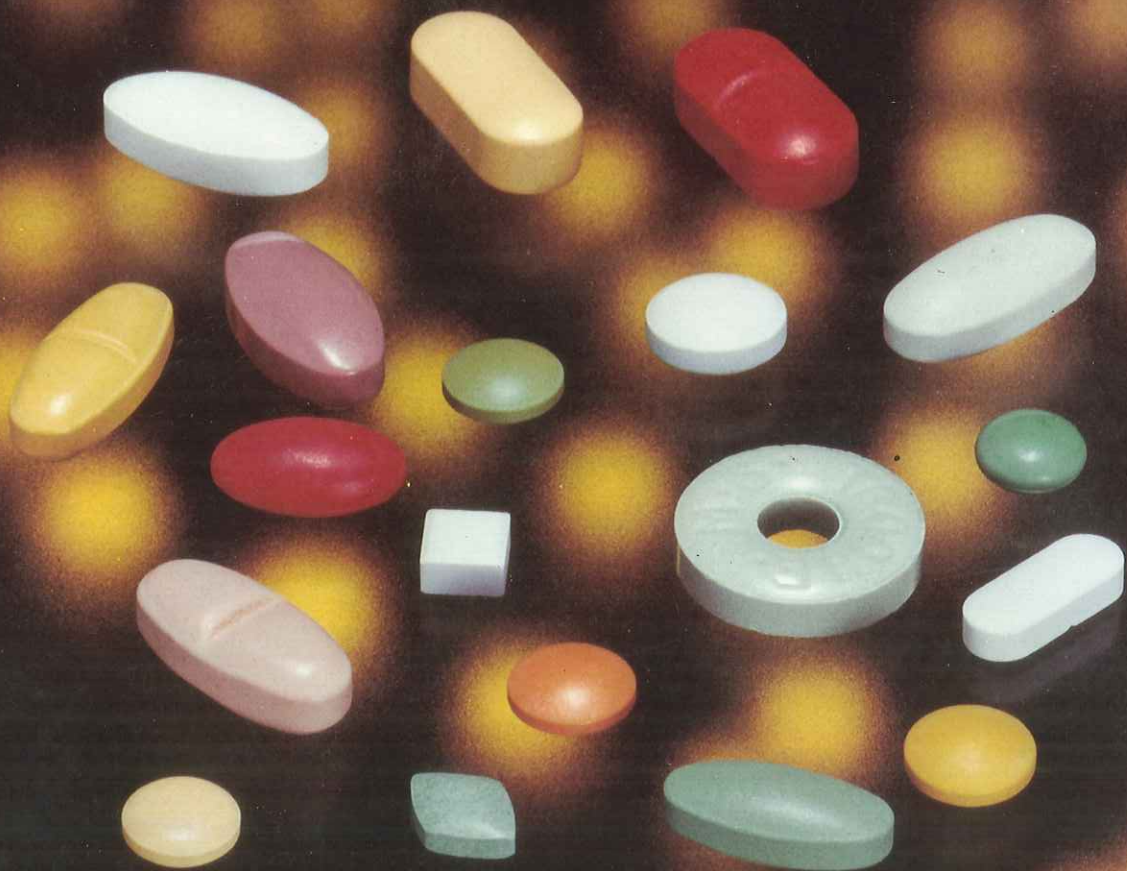


CLEANPRESS



KIKUSUI

CLEANPRESS OFFERS

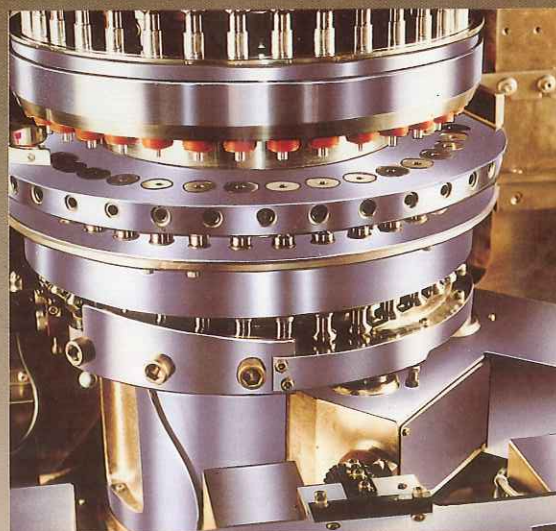
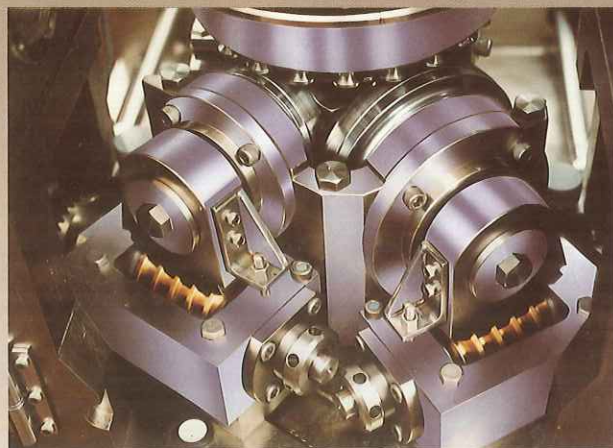
- 1** PRECISE TABLETING WITH QUIET OPERATION...
- 2** TABLETING COMPARTMENT ISOLATED FROM DRIVE COMPONENTS...
- 3** SIMPLE MAINTENANCE AND EASY CLEANING...
- 4** PERFECT MATCHING GMP...

Direct rotation of the rotary disc is by the main shaft.

This provides quiet operation, minimum wear on gears and maximum protection of drive mechanism from powder.

Preliminary and main compression rolls insure uniform and quality tablets.

Compression of fine powders and difficult materials are done easily with impressive results.



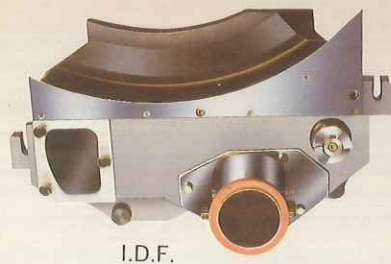
Dust seals and bellows keep powder off the punches.

"OVERLOAD RELEASE" on preliminary and main compression rolls release pressure that exceed pre-set limits. This protects punches and dies during operation.

Mechanical feeder (induced die feeder) and non-mechanical feeder (open feed frame) can be supplied with Cleanpress. Maintain height of powder in the feeding pipe, powder feeding controller is available.

No special tools are needed to detach parts to be cleaned or changed. Large openings for all mechanical portions makes maintenance easier. Rigid transparent protection cover provides safe and noiseless operation.

"LOW SPEED MOTOR" (0.5-1 RPM) for the rotary disc is used for trial tableting, cleaning and replacing punches. (not available on



I.D.F.





Automatic Control (AC) collects a pre-determined number of tablets automatically from the Tablet Press, weighs the tablets and automatically makes the necessary adjustments to maintain proper production.

Digital print out of times checked, weights, weight deflection, and average weights is done automatically thus avoiding errors. Definite instructions are given to the Automatic Control unit, any unacceptable deviation from this norm will cause automatic "SHUT-DOWN" of operation. Through the use of this device, all functions of machine are done automatically without the need of an operator.



THE FOLLOWING CONTROL DEVICES ARE AVAILABLE AS OPTIONAL ITEMS. : —

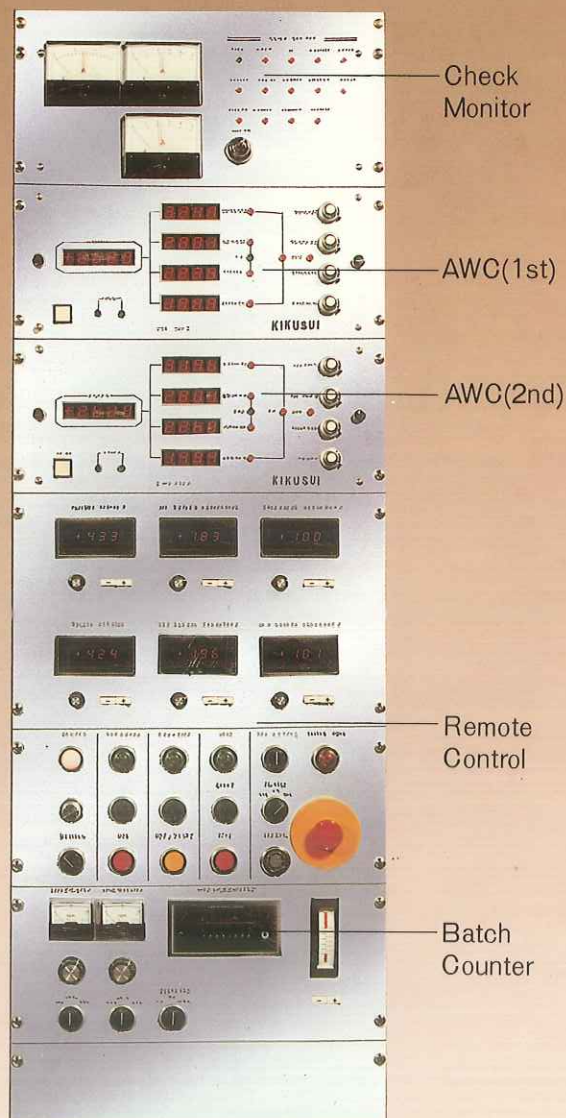
Remote Control Panel separate from main body of press.

All controls are mounted on R. C. P.

Depth of fill, Pre-tablet thickness and final tablet thickness are displayed by digital read-out

R. P. M. of die-table is remotely controlled and displayed by digital read-out

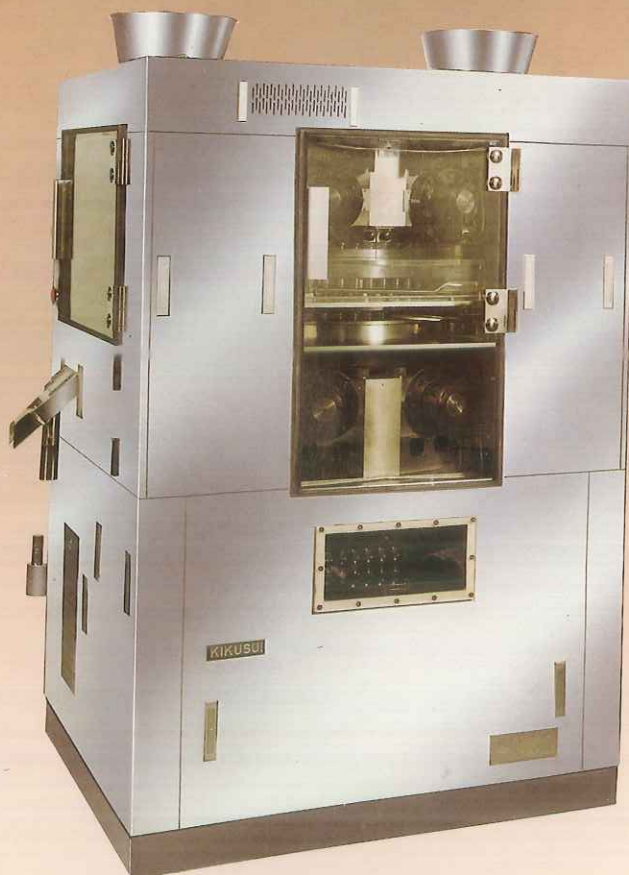
Automatic Weight Checker (AWC) is available as an optional item. The AWC monitors and adjusts automatically the compressive forces. It has been established that there is a direct correlation between compressive forces and tablet weights. The compressive force applied to each tablet is constantly checked and out of tolerance tablets are automatically rejected. Volume adjustment are automatically increased or decreased to ensure proper amount of fill into die cavity. Automatic "SHUT-DOWN" of press occurs when excessive pressure is detected.



GEMINI



GEMINI 855KACX



GEMINI 855KACX

LIBRA



LIBRA 836KRCX

VIRGO



HERCULES



CLEANPRESS Specification

MODEL	GEMINI				LIBRA			VIRGO		HERCULES		
No. of stations	73	67(K)	55(K)	45(K)	49	45(K)	36(K)	24(K)	19(K)	29(K)	21(K)	18(K)
Maximum tablet diameter (mm)	8	11	16	25	8	11	16	11	16	25	26	37
Fill depth (mm)	4-16	4-16	4-16	4-16	4-16	4-16	4-16	4-16	4-16	4-16	4-16	4-16
Preliminary	8	8	8	8	8	8	8	3	3	5	5	5
Maximum pressure (TONS)												
Main	8	8	8	8	8	8	8	5	5	15	15	15
Speed of rotary disc (RPM)	20-70	20-70	20-70	20-70	25-70	25-70	25-70	22-70	22-70	20-60	20-60	20-60
Tablets per hour (Tablets)	175,200	160,800	132,000	108,000	73,500	67,500	54,000	31,680	25,080	34,800	25,200	21,600
	613,200	562,800	462,000	378,000	205,800	189,000	151,200	100,800	79,800	104,400	75,600	64,800
Main motor (kw)	5.5	5.5	5.5	5.5	3.7	3.7	3.7	1.5	1.5	3.7(7.5)	3.7(7.5)	3.7(7.5)
Type of tooling	Special die	IPT(B)	IPT(B)	IPT(D)	Special die	IPT(B)	IPT(B)	IPT(B)		IPT(D)	Key Roll	Key Roll
Rotary disc dia (PCD:mm)	610				410			220		410		
Machine dimension (mm)	1,738(H)×1,160(W)×1,040(D)				1,755(H)×800(W)×900(D)			1,610(H)×600(W)×630(D)		1,760(H)×800(W)×900(D)		
Drive	Gear box and main shaft drive											
Feeder	Induced die feeder and open feed frame											
Pressure adjustment	push button control				Manual (Remote Push button control: optional)							
Weight adjust	push button control				Manual (Remote Push button control: optional)							
Remote Control (RC)	standard				optional							
Automatic Weight Checker (AWC)	optional											
Automatic Control (AC) with print verification	optional									unavailable		
Powder Feed Control	optional											
Upper Punch Penetration Adjustable	standard (1.5 ~ 5.0 mm)											
Upper & Lower Punch Tightness	standard											

*Our policy is one of continuous development and improvement and we reserve the right to alter dimensions and specifications without prior notice.

Identifications mentioned on Model mean as followings : —

Model GEMINI 855 K RC X

855 : 8 tons maximum pressure, 55 stations.

K : Slotted rotary disc head for odd shaped punches.

RC : Remote control panel.

AWC : Automatic weight checker including RC.

AC : Automatic checker including RC and AWC.

X : Exterior stainless steel, interior Kanigen plating.

Y : Paint finish.

U.S.A. Agent



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