



MULTI FORMER MULTIFORMING
MACHINE



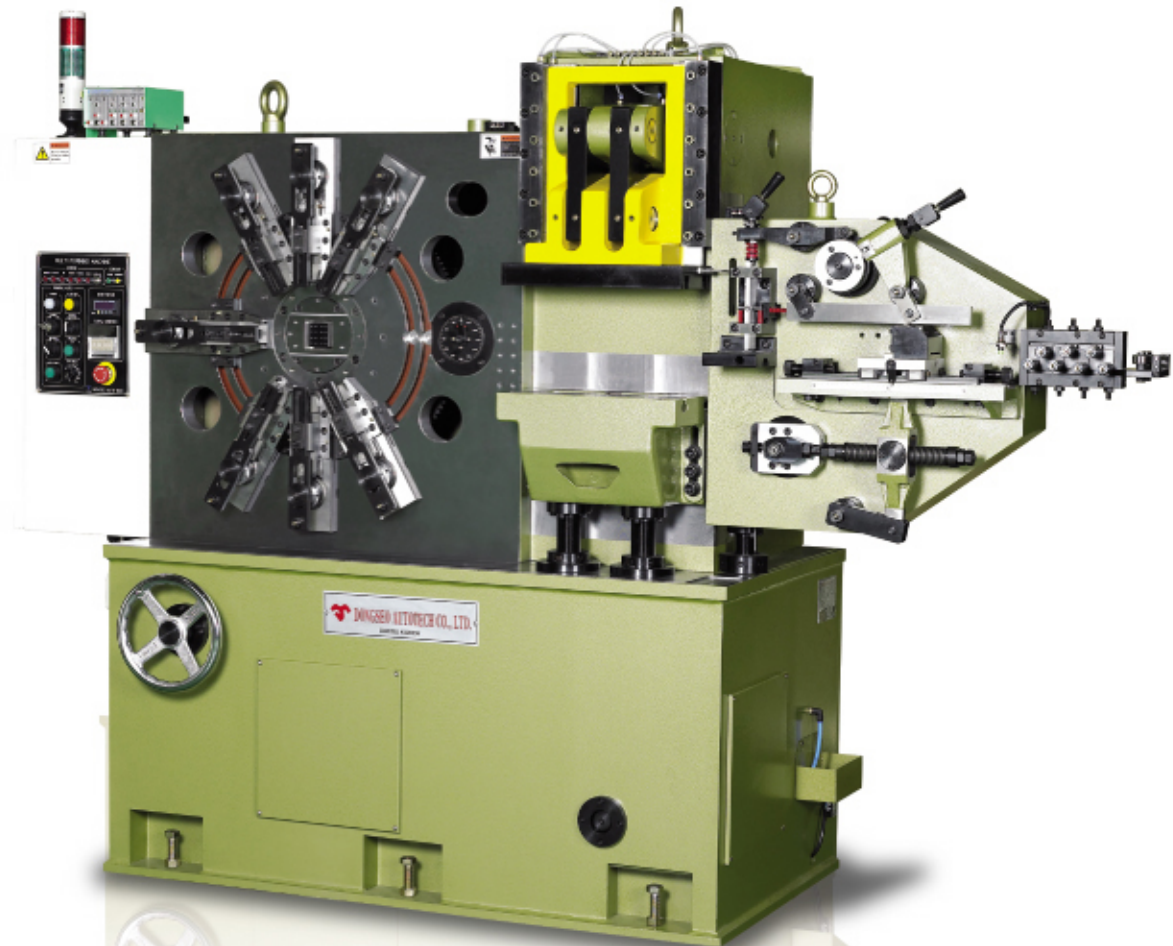
DONGSEO AUTOTECH CO.,LTD.

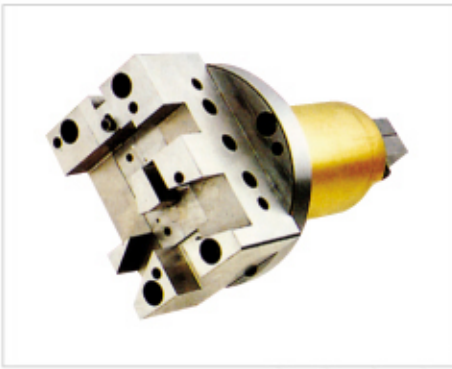
Multiforming Machine의 특징

1. 정밀부품가공 : 전자부품, 가전부품, 자동차부품 및 고정도부품을 대량 생산하면 더욱 경제적입니다.
2. 고부가가치의 형태 가공 : Binding, Tapping용접 및 조립을 단 한 공정으로 처리합니다.
3. 다품종 소량생산에 용이 : Basic Tool의 이용으로 1벌의 금형만으로도 유사한 다품종 소량생산이 가능합니다.
4. 1인 10대 가동 : 재료의 공급만으로 완전 자동화가 이루어지기에 재료의 소진 및 금형의 이상시 검출장치에 의해 자동정지됩니다.

Feature of The Machine

1. **Machining of precise parts** : Available for economic mass production of parts for electronics, home appliances and automobiles, and other precise, components.
2. **High value-Added machining** : One integrated process designed for bending, tapping, welding and assembling works.
3. **Easy to produce many items in small lots** : It is possible to produce many items in small lots by using only a pair of mold with basic tool.
4. **Operation system designed for ten sets per operator** : Full automatic operation can be done by just feeding materials while being automatically stopped by a sensor when any error occurs in molds or materials.

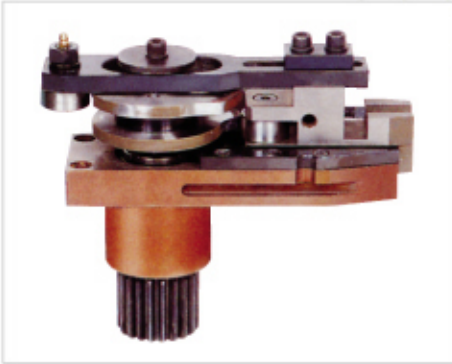




BENDING SLIDE부 / BENDING SLIDE UNIT

Multi forming M/C의 특징인 이 Unit는 Push, CAM, Back CAM에 의해 절곡 Punch가 전후운동을 하며 미세조정 Bolt로 상사점과 하사점 조정이 가능합니다.

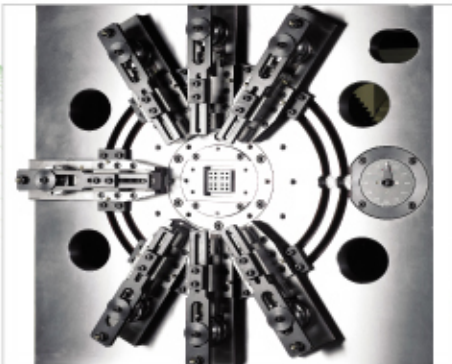
As an important unit of multiforming machine, it allows the bending punch to be taken up and down by push cam and back cam, of which the top and bottom dead centers are finely adjusted by the adjusting bolt.



BASIC TOOL부 / BASIC TOOL UNIT

절곡의 구성을 표준화한 Punch의 움직임을 정확하게 하고 전면의 Guide Block과 Disk Plate, 그리고 Rear CAM 3가지로 구성되어 있으며, 금형교환을 용이하게 할 수 있습니다.

This basic tool unit featuring accurate punch works standardized for construction of bending consists of three sections such as front guide block, disk plate and rear cam, which is designed to easily replace molds.



BENDING부 / BENDING UNIT

어떠한 제품의 형상도 가공할 수 있도록 Slide부착이 용이하며 최고 11Set 까지 부착이 가능합니다.

This bending unit is designed to easily set slides up to 11Sets which are available for machining a variety of forms.



PRESS부 / PRESS UNIT

편심 Shaft기구로서 정밀한 Stamping을 할 수 있습니다.

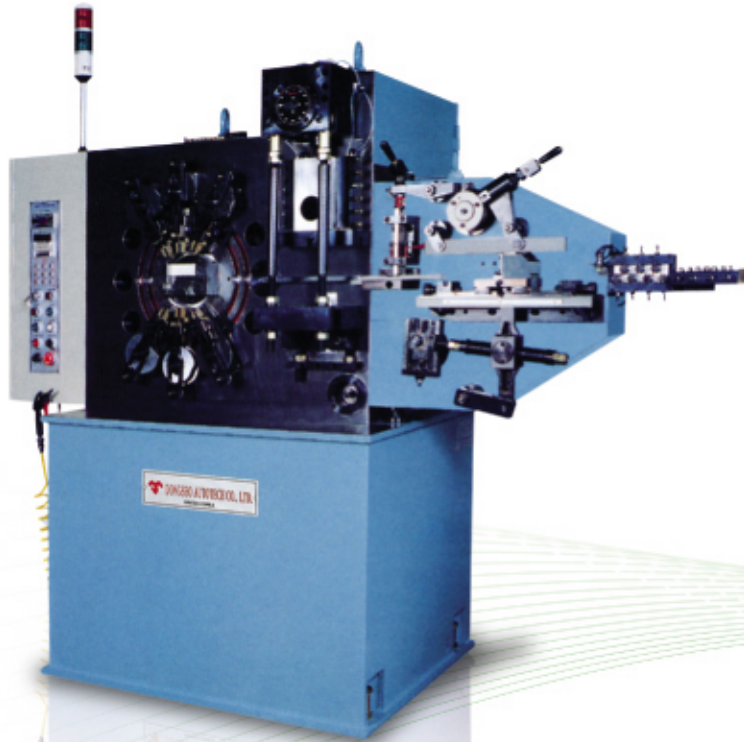
As an off-center unit, it is available for precise stamping.



FEEDING부 / FEEDING UNIT

Coil형상의 선재와 판재를 정해진 치수에 따라 Crank의 원리로 Clamping하여 정확한 이송을 시켜주며, 그 정도는 0.01mm 이하로 가능합니다.

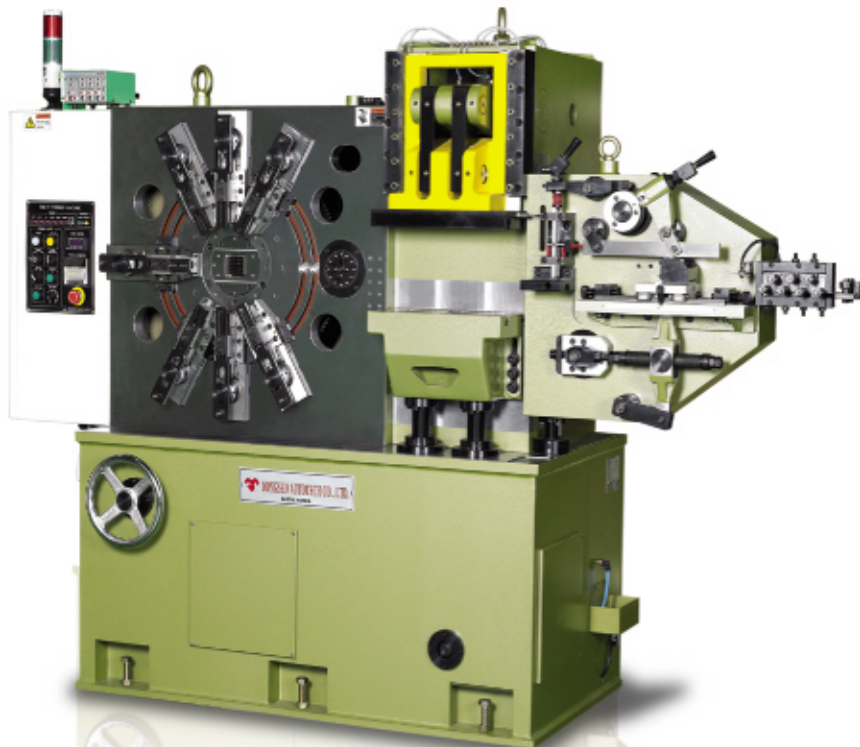
The feeding unit with accuracy less than 0.01mm clamps and feed coil-shaped wire and sheet rolls in preset size in accordance with a crank principle.



■ DS-8-220

소형으로 작업성이 뛰어난 기능을 발휘합니다.
소형 전자제품에 넓게 사용되고 있으며,
특히 박판가공에 최적입니다.

As a small type, the DS-8-220 model widely used for small-sized electronic appliances features superior workability, particularly, suited for machining of sheets.



■ DS-15-220

고객의 요구에 흡족하는 중형으로써
Press 15Ton 힘을 자랑하며, 가장 적절한
Power와 가공능력을 갖고 있습니다.

As a middle-sized model satisfying various demands of customers, it features the press capacity of 15ton, as well as best suited power and workability.



■ DS-25-220

고객의 요구에 흡족하는 중형으로서 Press 25Ton 힘을 자랑하며, 가장 적절한 Power와 가공능력을 갖고 있습니다.

As a middle-sized model satisfying various demands of customers, it features the press capacity of 25ton, as well as best suited power and workability.



■ DS-35-350

대형으로서 Forming능력 3Tons, Stamping 능력 35Tons의 기능을 발휘합니다.

This large-sized model has such functions as 3tons forming and 35tons stamping capacities.

PRODUCT MODEL



■ DS-60-450

강도있는 Power形으로서 대형물의 가공을 Speed하게 처리할 수 있는 기능을 갖고 있습니다.

The DS-60-450 model designed for high power is suited for speedily machining a big size of material.

CNC MULTI FORMER



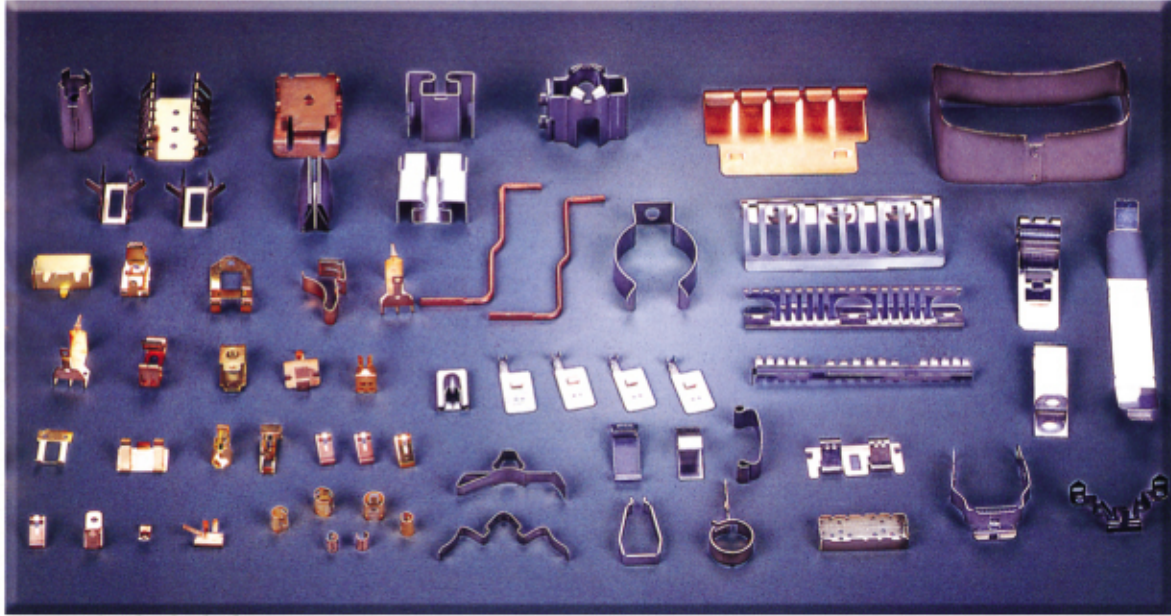
SPECIFICATIONS OF MULTI FORMING MACHINE

SPEC		MODEL				
		DS-8-220	DS-15-220	DS-25-220	DS-35-350	DS-60-450
MATERIAL	STRIP (MAX.mm)	30 ^w × 1.2 ^t	40 ^w × 1.6 ^t	50 ^w × 2.0 ^t	80 ^w × 2.5 ^t	100 ^w × 3 ^t
	WIRE (MAX.mm)	Ø1.5	Ø2.5	Ø6	Ø8	Ø10
FEEDER	FEEDING LENGTH (MAX.mm)	220	220	220	350	450
	FEEDING ACCURACY (mm)	0.01	0.01	0.01	0.01	0.01
PRESS	CAPACITY (TON)	8	10~15	20~25	25~30	50~60
	STROKE (mm)	15	20	20	25	25
	STROKE ADJUSTED (mm)	20	20	25	30	30
	TABLE DIMENSION (mm)	250 ^L × 120 ^w	380 ^L × 200 ^w	460 ^L × 240 ^w	590 ^L × 250 ^w	900 ^L × 350 ^w
BENDING	BENDING CAPACITY (TONS/SET)	1~15	1.5~2	2~3.5	3~4.5	5
	STROKE (MAX.mm)	30	40	50	65	85
	SLIDE (MAX.SET)	11	11	11	11	11
BODY	POWER SUPPLY 50/60Hz	220 × 3ph	220 × 3ph	220 × 3ph	220 × 3ph	220 × 3ph
	MOTOR POWER (KW.P)	2.2~4	5.5~4	7.5~4	11~4	15~4
	DIMENSION (mm)	850W	1,050W	1,200W	1,300W	1,300W
		1,850L	2,200L	2,400L	3,800L	4,100L
	1,700H	1,900H	2,000H	2,300H	2,400H	
PRODUCT CAPACITY (AT.60Hz, SPM)		0~150	0~120	0~100	0~80	-

* 본 사양은 개선을 위하여 예고없이 변경될 수 있습니다.

* The contents of the catalogue are subject to change without prior notice.

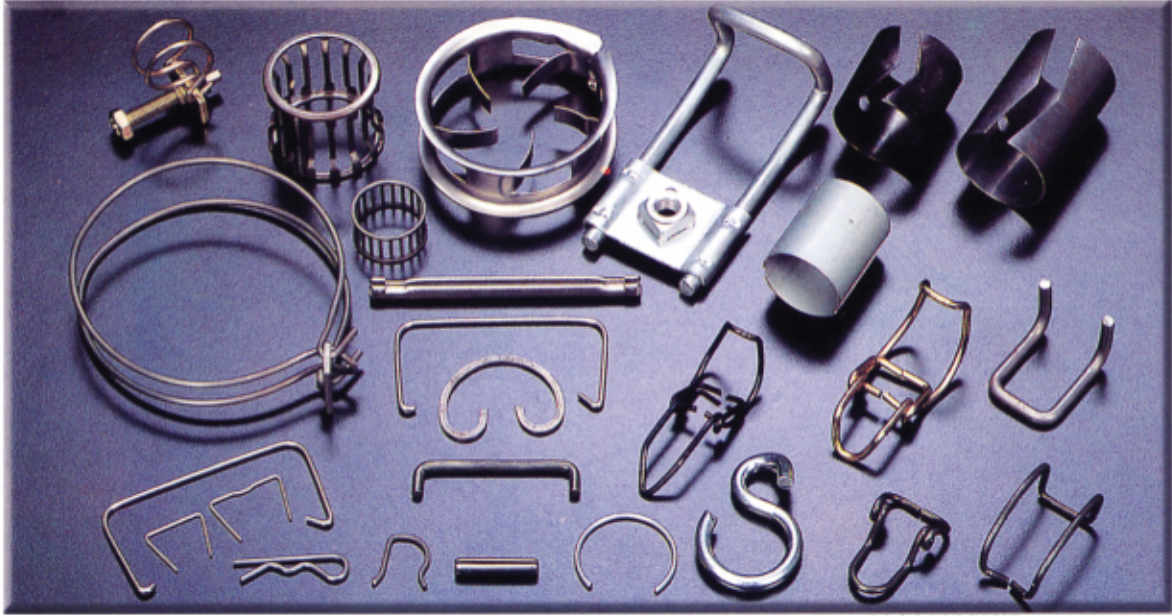
■ 전자부품 (Electronic Parts)



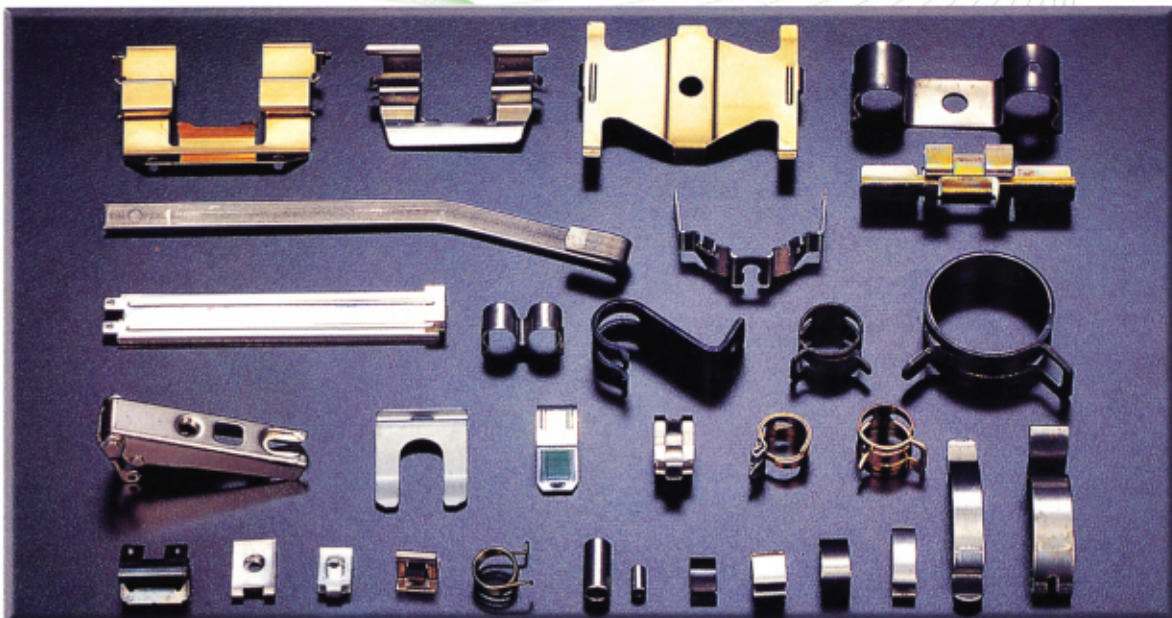
■ 전기부품 (Electric Parts)



■ 건설 · 산업용 부품 · 문구류 (Parts for Construction and Industries)



■ 자동차 부품 (Parts for Automobile)

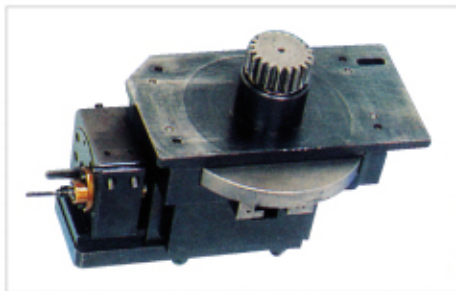


SPECIAL MULTI FORMER

■ TAPPING

본 장치는 CAM구동에 기계식 Tapping장치이다. 고속에서의 추종성이 뛰어나고 정확한 Tapping가공이 가능하다. 성형과 동시에 Tap가공이 이루어지고 큰 생산량과 노동력 줄이기 등에 도움이 된다.

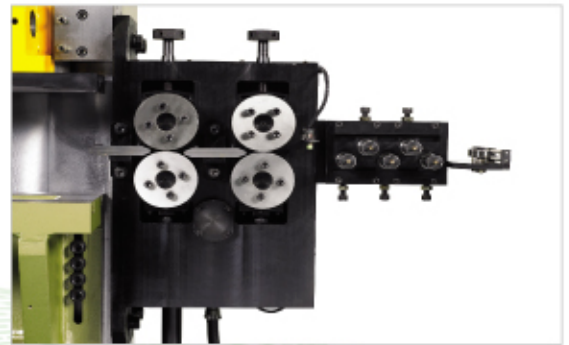
This cam-driven type of mechanical tapping unit featuring excellent following operation at a high speed and accurate tapping is designed for simultaneous forming to be done, which is very useful for improving productivity and saving labor.



■ NC FEEDING

선재 및 판재 등의 긴 재료를 보내는 장치로서 서보모터와 전용컨트롤러에 의해 재료를 정확하게 이동시켜 줍니다.

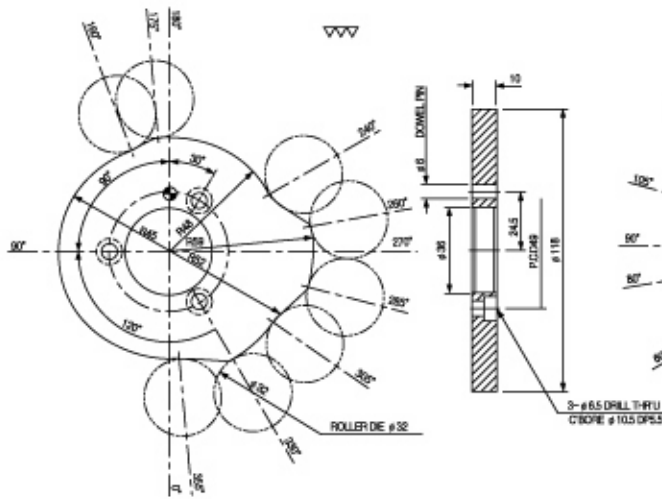
This N.C feeding unit is used to feed longer wire and strip material, controlled by servo motor and computer.



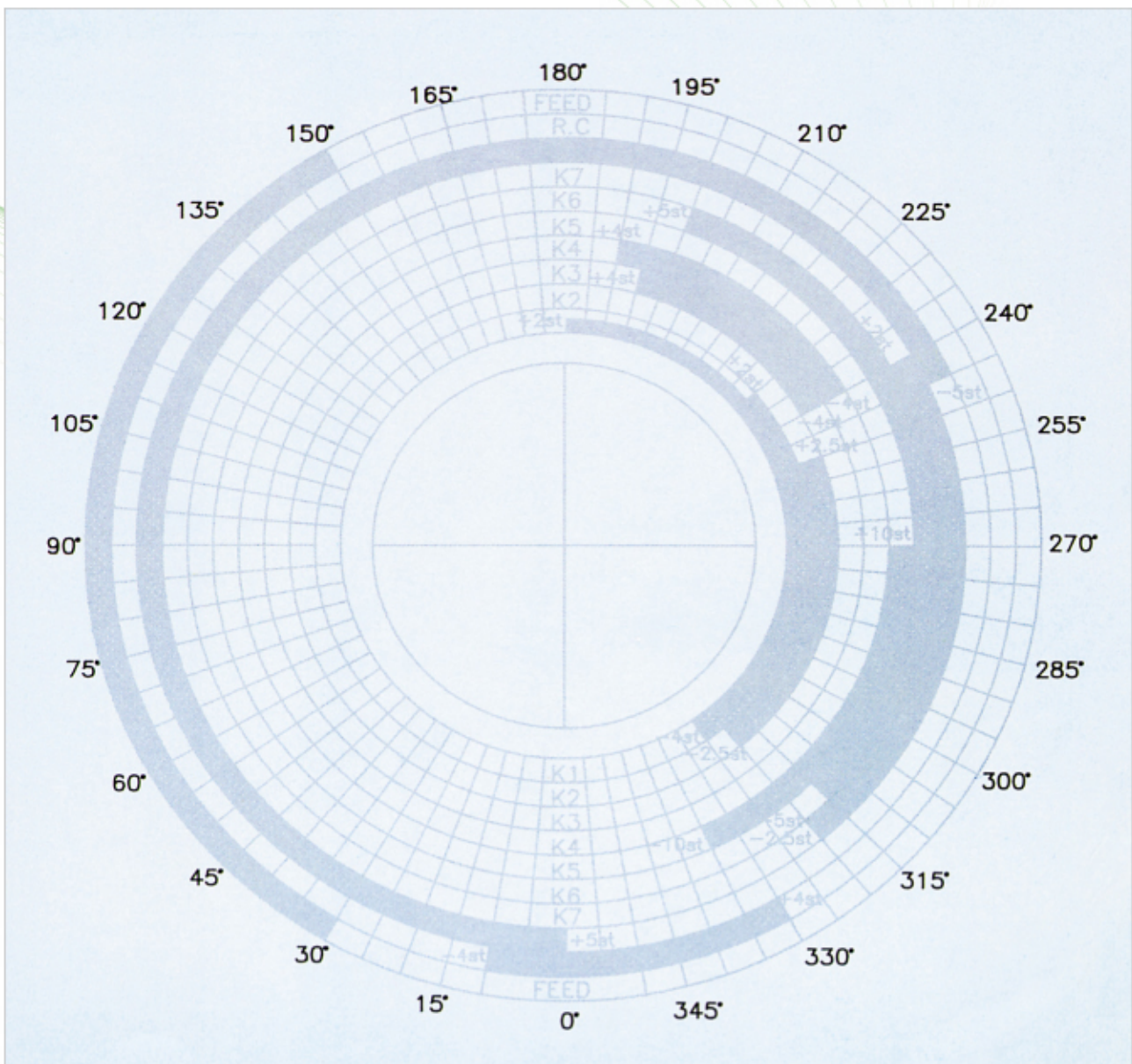
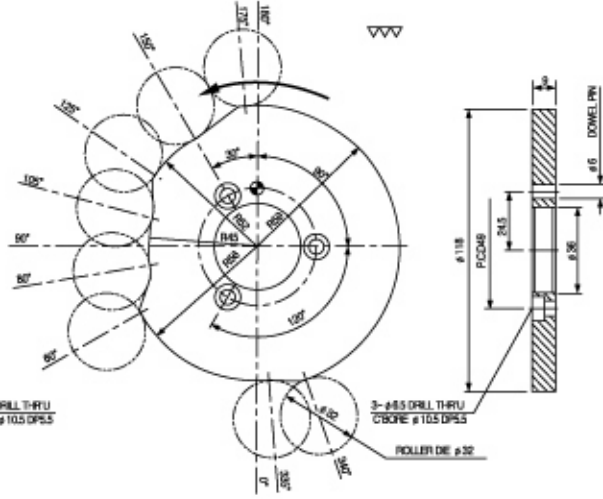
TWIN FEEDER & PRESS MULTI FORMER



PUSH CAM



BACK CAM





DONGSEO AUTOTECH CO.,LTD.

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