

YOUNG CHANG PUNCH

The World Best Manufacturer of Tablet Compression Tooling





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266, Inhyang-ro, Gochon-eup, Gimpo-si, Gyeonggi-do, Korea.
TEL : 82-31-985-6666 FAX : 82-31-986-8898
E-mail : sales@ycpunch.com

(주)영창펀치

경기도 김포시 고촌읍 인향로 266
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INTRODUCE

Right after the establishment of Young Chang Punch Co. Ltd. in 1980,
Our company has been continuously improved our Punch and Die tablet tools.
And we have been manufacturing our specialized products.
It is recognized as the best in pharmaceutical company in Korea as well as abroad.
Base on our manufacturing technology know- how and experiences and product development for more than 40 years, we have developed ultrasonic cleaners, polishing machine, Punch Storage Cabinet, Punch Polishing Machine and Tablet Deduster.
These products are widely recognized for their excellence.

But we are not satisfied with that. Our satisfaction lies in meeting the needs of our customers. To this end, we are producing better products and quality by expanding automation machines and facilites. Young Chang will approach you with constant effort and confidence.
Once again, thank you to all the customers who love Young Chang Punch.

(주)영창펀치는 1980년 창업이후 계속 정제를 만드는 타정기의 공구인
Punch와 Die를 전문으로, 제작하여 대한민국과 해외 유수의 제약회사와 식품회사에 꾸준히 공급해 오고 있습니다.

40년 이상 쌓아온 제작기술의 노하우와 경험을 바탕으로, 관련 제품개발에도 힘써 초음파 세척기, 폴리싱기, 펀치보관함, 탈분기를 제작하여 제품의 우수성을 인정받고 있습니다.

현재에 만족하지 않고 고객 여러분들의 어떠한 주문에도 만족을 드리기 위하여,
기계의 자동화 설비와 확장으로 더 좋은 제품으로, 더 좋은 품질로, 저희 (주)영창펀치의 임직원 일동은 끊임없는 노력과 신뢰감으로 여러분에게 다가 갈 것입니다.
오늘의 (주)영창펀치가 있기까지 고객 여러분들의 성원에 감사드립니다.

Punch Polishing Machine &Compression Tooling

펀치 폴리싱기



OVERVIEW

The YPM-C1 Polish is specially designed to automatic the polishing of tablet punches. The YPM-C1 Polisher is mainly used for making high quality of punch surface finishing to increase and to improv e the operational efficiency of daily production process as well as providing shorten production time and reducing production costs. The product holder can be designed and manufactured to correspond with an end use's requirement.

펀치 연마기는 정제 펀치의 자동 연마를 위해 특별히 설계되었습니다. YPM-C1 광택기는 일상적인 생산 공정의 운영 효율성을 높이고 개선하며 생산 시간을 단축하고 생산 비용을 줄이기 위해 주로 고품질 펀치 표면 마감을 만드는 데 사용됩니다. 제품 홀더는 최종 사용자의 요구 사항에 맞게 설계 및 제조할 수 있습니다.

STANDARD ITEMS

- Adjustable speed drive with adjustabele working hours on
- touch screen Up to 3 product holders
- Available running direct to clockwise and counterclockwise
- Available lifting system by manual
- Stainless steel container
- Front opening door with interlock system

KEY CHARACTERISTICS

- Full automatic polishing drive system
- Designed stainless steel cover with aluminum profile
- Optimized design o be available placing in narrow space
- Simple design with touch screen for easy operation with maintenance
- Adjustable speed drive
- Safety electrical interlock system
- No need special operating training and skill

STANDARD TOOLING

- B-type holder 1st(3EA):12 Punches hold per holder
- D-type holder 1st(3EA):10Punches hold per holder

OPTIONAL ITEMS

- Ultrasonic cleaner
- Additional special designed product holders
- Adding dust extracting equipment

OPTIONAL ITEMS

- User-friendly Touch Screen Operation
- Available power option : 220/2P, 50/60Hz
- Power consumption : 1.5Kw(5kW)
- Dimension : L950 X W700 X H1800
- Weight 600kg

Ultrasonic Punch Cleaner



MAIN FEATURE

- Variation of voltage (V, Hz, Ph)
- should be within 10%
- Do not operate by wet hand
- No damage and oscillation
- No moiture when no operation during long time

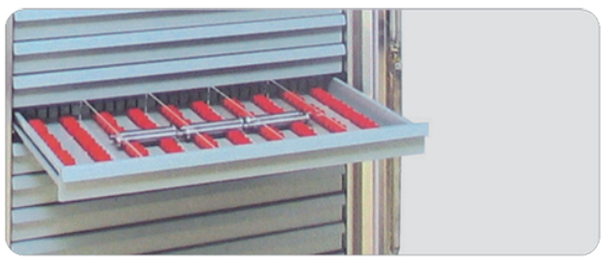
SPECIFICATION

Dimension	Weight	Main Material	Main Power	Capacity	Cleaning Time	Working Liquid	Liquid Changing Time	Liquid Temperature
600X800X750(H) 1500X700X750(H)	30kg 50kg	SUS 304	220V/380V/440V 3Ph/1Ph 50Hz/60Hz Available	D TOOL:30EA /Each Cleaning B TOOL:36EA /Each Cleaning	3~5 Minutes Per one Circle of Cleaning	Water-Soap ALT	As Per Cleaning Time	Celsius 40~60

사이즈 변경 가능합니다.

Punch Storage Cabinet

	14 Storage	8 Storage	24 Storage
Size	540 * 900 * 1250(H)	540 * 900 * 850(H)	880 * 940 * 1551(H)
Storage	14	8	24
Caster	4”	4”	4”
Weight	206Kg	104Kg	300Kg



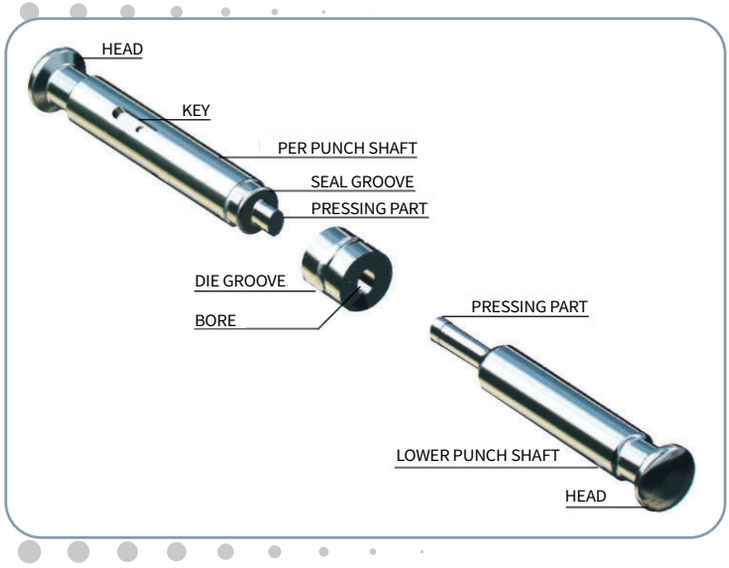


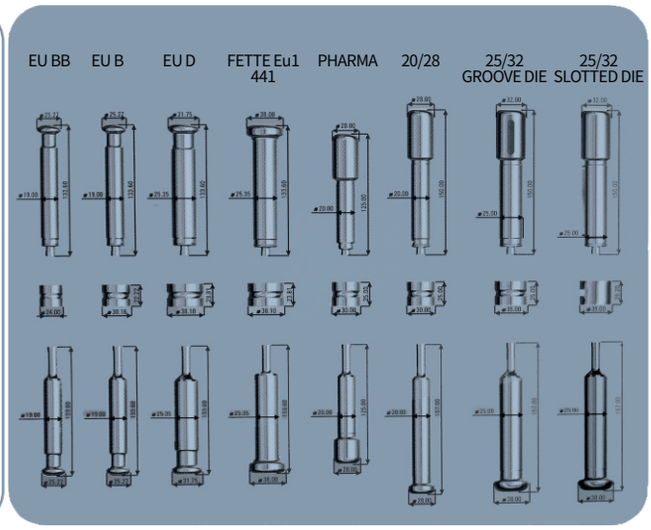
Approximate Maximum Pressing Forces

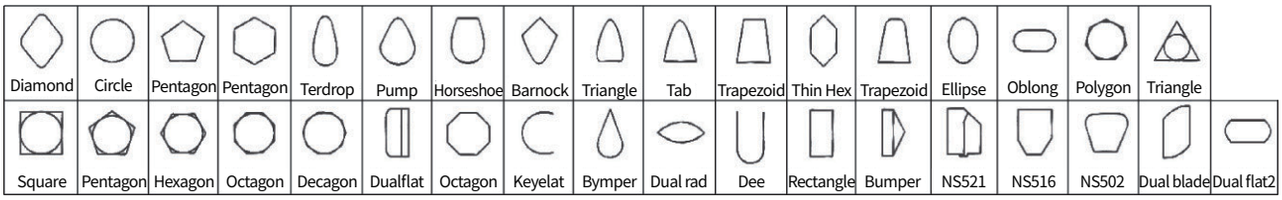
APPROXIMATE MAXIMUM PRESSING FORCES

tablet diameter	mm	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
flat with radius(shallow)	KN	6	10	16	23	30	40	51	62	75	90	105	120	130	160	185	205	230	255
double radius normal radius flat faced radial faced	KN	3	6	9	14	18	25	30	38	45	55	62	70	80	90	105	115	130	145
with radius(deep)	KN	2	3.8	6	8.8	12	17	21	25	30	36	42	48	56	65	70	78	90	100

Tools Standards

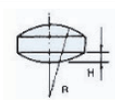
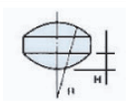
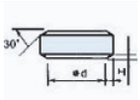
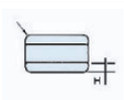
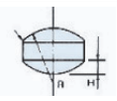




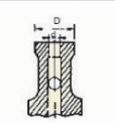
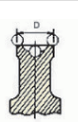
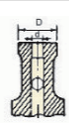
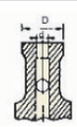


Tablet Compression Tooling

STANDARD TABLET OF PUNCH. R. DESIGNATED BY THIS COMPANY.

Name	Ordinary R surface		Sugar coated R surface		Right angle plane			Right turn plane		R surface of both flights		
Shape												
Tablet diameter	R(mm)	H(mm)	R(mm)	H(mm)	d(mm)	a(mm)	H(mm)	R(mm)	H(mm)	R(mm)	r(mm)	H(mm)
3	4	0.29	2	0.68	2.586	0.027	0.12	0.7	0.12	4.5	1.2	0.5
3.5	4.5	0.35	2	1.03	3.016	0.242	0.14	0.8	0.14	5	1.4	0.5
4	5	0.42	2.5	1.00	3.446	0.277	0.16	1	0.16	5.5	1.6	0.6
4.5	5.5	0.48	3	1.02	3.878	0.311	0.18	1.1	0.18	6	1.8	0.7
5	6	0.55	3.5	1.05	4.308	0.346	0.2	1.2	0.2	6.5	2	0.8
5.5	7	0.56	4	1.10	4.738	0.381	0.22	1.3	0.22	7	2.2	0.9
6	8	0.58	4.5	1.15	5.17	0.415	0.24	1.5	0.24	7.5	2.4	1
6.5	9	0.61	5	1.20	5.6	0.45	0.26	1.6	0.26	8	2.6	1
7	10	0.63	5.5	1.26	6.032	0.484	0.28	1.7	0.28	8.5	2.8	1.1
7.5	11	0.66	6	1.32	6.462	0.519	0.3	1.8	0.3	9	3	1.2
8	12	0.69	6.5	1.38	6.892	0.554	0.32	2	0.32	9.5	3.2	1.3
8.5	12.5	0.74	7	1.44	7.324	0.588	0.34	2.1	0.34	10	3.4	1.4
9	13	0.80	7.5	1.50	7.754	0.623	0.36	2.2	0.36	10.5	3.6	1.5
9.5	13.5	0.86	8	1.56	8.814	0.658	0.38	2.3	0.38	11	3.8	1.5
10	14	0.92	8.5	1.63	8.616	0.692	0.4	2.5	0.4	11.5	4	1.6
11	15	1.04	9.5	1.75	9.476	0.762	0.44	2.7	0.44	12.5	4.4	1.8
12	16	1.17	10.5	1.88	10.338	0.831	0.48	3	0.48	13.5	4.8	2
13	17	1.29	11.5	2.01	11.2	0.9	0.52	3.2	0.52	14.5	5.2	2.1
14	18	1.42	12.5	2.14	12.062	0.969	0.56	3.5	0.56	15.5	5.6	2.3
15	19	1.54	13.5	2.28	12.992	1.039	0.6	3.7	0.6	16.5	6	2.5
16	20	1.67	14.5	2.41	13.784	1.108	0.64	4	0.64	17.5	6.4	2.6
17	21	1.80	15.5	2.54	14.646	1.177	0.68	4.2	0.68	18.5	6.8	2.8
18	22	1.93	16.5	2.67	15.505	1.247	0.72	4.5	0.72	19.5	7.2	3
19	23	2.05	17.5	2.80	16.368	1.316	0.76	4.7	0.76	20.5	7.6	3.1
20	24	2.18	18.5	2.94	17.21	1.385	0.8	5	0.8	21.5	8	3.3

MOLD PRESSURIZING LIMIT CHART

low line shape	Plane	Ordinary R surface	Sugar coated R surface	Ring		Ring	
Name / low line dia. (d)mm				low line capacity dia (d)mm		low line capacity dia (d)mm	
3	950	710	470				
3.5	1430	1020	680				
4	1990	1390	920				
4.5	2650	1810	1210			8	1590
5	3400	2290	1530			5	2380
5.5	4250	2830	1880	8	1360	6	2710
6	5200	3420	2280	8	2330	6	3690
6.5	6230	4070	2710	10	1660	6	4750
7	7360	4780	3190	10	2820	6	5910
7.5	8590	5540	3690	12	1960	8	5800
8	9910	6260	4240	12	3310	9	6330
8.5	14430	9160	6110	14	5430	11	9020
9	17920	11310	7540	15	7590	12	11460



Multiple Tip Tooling

멀티펀치

BENEFITS OF MULTIPLE TIP TOOLING

- Increase in productivity
- Reduce in press run-time also as setup-time
- Satisfy more output by using multiple tabled press machine.
- No need to invest more on tablet presses to increase output.
- All of these points lead to a reduction in overall cost of running machines

* 생산성 및 프레스 실행을 높이고 설정 시간을 줄입니다. 여러 대의 테이블 프레스 기계를 사용하여 더 많은 출력을 만족시킵니다.
* 생산량을 늘리기 위해 태블릿 프레스에 더 많은 투자를 할 필요가 없습니다.
* 이 모든 것이 기계 작동의 전체 비용 감소로 이어집니다.

TABLET DEDUSTER

정제 탈분기

Deduster is a pharmaceutical processing equipment that removes the fine surface dust from tablets through using vibratory effect.

Getting rid of the dust as the tablet exit the tablet compression machine process and packaging machines to function more efficiently.

*탈분기는 진동 효과를 이용하여 정제 표면의 미세 먼지를 제거하는 의약품 처리 장비입니다.
*정제 출구 먼지 제거 및 정제 압축 기계 공정 및 포장 기계가 보다 효율적으로 작동합니다.

