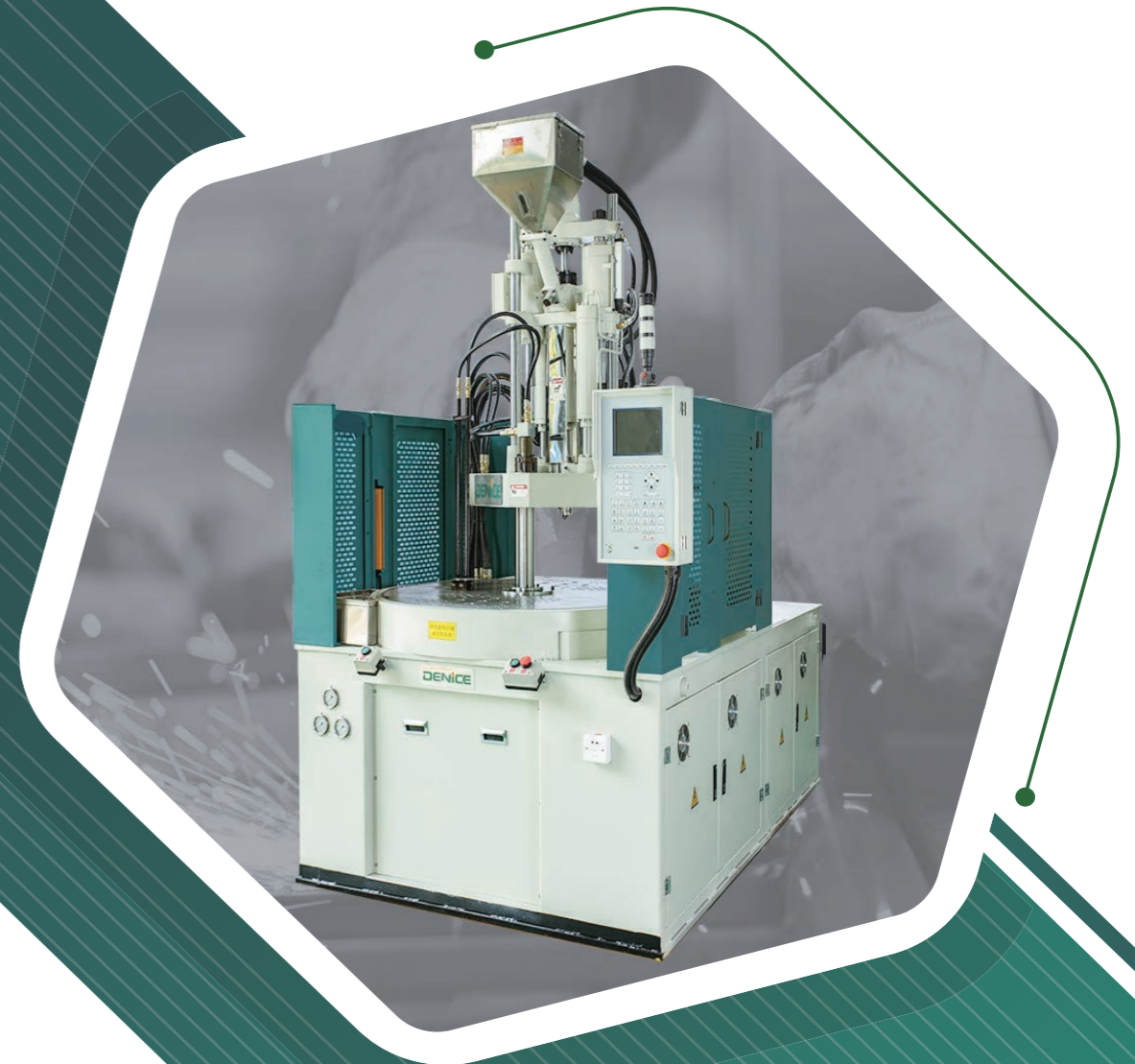


# VERTICAL PLASTIC INJECTION MOLDING MACHINES

## 德耐立式注塑机



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杭州德耐机械有限公司  
 HANGZHOU DENICE MACHINERY CO., LTD

# company profile

## 公司简介

杭州德耐机械有限公司是国内立式注塑机专业的制造商之一。德耐专门生产高品质、高精度的立式注塑成型机：锁模力从15吨—650吨，射出量从1克—8000克。标准机、单滑板机、双滑板机（角式滑板机）和多站转盘配置注塑机。

除此以外，为提升工作效率并针对不同行业客户的不同需求，我们的产品被针对性地运用在汽车制造业、医疗器械行业、化妆品行业、刀具、洁具、家具、玩具、日用品、婴儿用品、电子接插件、光学镜片、背光板、手表机芯齿轮、鞋底、色板、软管、硬管等等。在嵌入注塑成型(Insert Molding)、模内装饰成型 (IMR、IML、IMF)、多色多物料注塑成型 (Multi-color)、热固性成型 (BMC、LSR、PFA)、金属粉末注塑成型、高精度注塑成型等领域，积累了大量技术经验和解决方案。设备广泛应用在汽车制造、医疗器械、化妆品、日用品、家用电器、电脑手机、LSR液态硅胶、金属粉末、BMC等制造领域。未来，“德耐”一如既往服务市场，整合模具和自动化之特长，必将不断提升产品的品质以及性能与世界一流的智能装备接轨。德耐秉承“客户至上、以人为本”的核心价值观真诚的服务每一位用户，品质赢得信任，全方位为客户提供售前、售中、售后的技术保障和解决方案。持续完善自我，与客户共同成就美好未来！

Hang Zhou DENICE Machinery Co., Ltd. is one of the professional manufacturers of vertical injection molding machines in China. DENICE specializes in the production of high-quality, high-precision vertical injection molding machines: clamping force from 15 tons to 650 tons, injection capacity from 1 gram to 8000 grams. Standard machines, single skateboard machines, double skateboard machines (angle skateboard machines) and multi-station turntable configuration injection molding machines.

In addition, in order to improve work efficiency and meet the different needs of customers in different industries, our products are targeted in the automobile manufacturing industry, medical equipment industry, cosmetics industry, knives, sanitary ware, furniture, toys, daily necessities, baby products, electronic connectors, optical lenses, backlight plates, watch movement gears, shoe soles, color plates, hoses, hard tubes and so on. In the fields of insert molding, in mold decoration molding (IMR, IML, IMF), multi color multi material injection molding (multi color), thermosetting molding (BMC, LSR, PFA), metal powder injection molding, and high-precision injection molding, we have accumulated a lot of technical experience and solutions. The equipment is widely used in automobile manufacturing, medical devices, cosmetics, daily necessities, household appliances, computer mobile phones, LSR liquid silica gel, metal powder, BMC and other manufacturing fields. In the future, "DENICE" will, as always, serve the market, integrate the advantages of molds and automation, and will continue to improve the quality and performance of products and integrate with world-class intelligent equipment.

Adhering to the core values of "customer first, people-oriented" and sincerely serving every user, quality wins trust, and provides customers with pre-sale, sale and after-sales technical support and solutions in an all-round way. Continuous self-improvement, and customers together to achieve a better future!



DV系列 DV series

立式四柱直压锁模/立式注射  
Vertical Four-Column  
Vertical Clamping / Vertical  
Injection



DC系列 DC series

无立柱立式锁模/水平注射  
Vertical type Clamping /  
horizontal Injection



DK系列 DK series

立式四柱锁模/水平注射  
Vertical four-column  
Clamping / horizontal  
Injection



专用机系列  
special series

- 汽车行业
- 液态硅胶行业
- 热固性专用机
- 眼镜专用机
- 多色物料专用机
- 其他专用机
- 医疗行业

# DV STANDARD MACHINE SERIES

## DV 标准机

● 采用世界名厂电器元件，运行稳定  
World Famous Brands Electric Parts Stable Operation

● 现代化控制技术，反应迅速，安全便捷  
Modern Control Technology, Rapid Response, Safety And Convenience



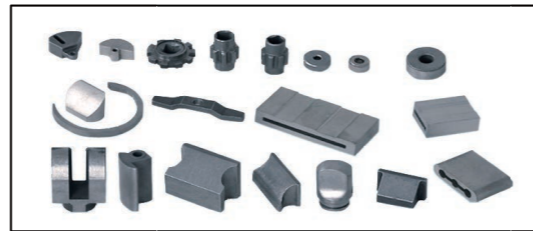
DV-400

### 系列特点

- ✓ 锁模力: 25T---3500T
- ✓ 射出重量: 45---10000G
- ✓ 四立柱立式锁模、立式注射
- ✓ 适合有镶嵌件的塑料制品成型和多用途注塑成型工序

### Series features

- ✓ Clamping force: 25t --- 3500t
- ✓ Injection weight: 45 --- 10000g
- ✓ Four column vertical mold locking and vertical injection
- ✓ It is suitable for molding plastic products with inserts and multi-purpose injection molding processes



DV-600



DV-1200

型号 Model		单位 unit	DV-250		DV-400		DV-600		DV-850		DV-1000						
射出系统 (Injection Unit)	螺杆直径 Screw diameter	Mm	Φ25	Φ28	Φ32	Φ28	Φ32	Φ36	Φ28	Φ32	Φ36	Φ42	Φ48	Φ36	Φ42	Φ48	
	射出压力 Maximum injection pressure	Kg/cm <sup>2</sup>	1814	1446	1107	2000	1531	1210	2678	2050	1620	2074	1523	1166	2074	1523	1166
	理论射出容积 Theoretical shot volume	CM <sup>3</sup>	49	61	80	80	104	132	80	104	132	162	221	289	162	221	289
	射出重量(PS) Maximum shot weight(PS)	g/Oz	45/1.6	56/2.0	74/2.6	72/2.5	94/3.3	120/4.2	72/2.5	94/3.3	120/4.2	150/5.3	203/7.1	266/9.4	150/5.3	203/7.1	266/9.4
	射出率 Injection rate	CM <sup>3</sup> /sec	38	48	62	45	59	75	49	64	81	81	110	144	92	125	162
	射出率 Injection rate	CM <sup>3</sup> /sec	38	48	62	45	59	75	49	64	81	81	110	144	92	125	162
锁模系统 (Clamping Unit)	锁模力 Clamping force	Ton	25		40		60		85		100						
	上模尺寸 Top platen size	Mm	490 × 350		550 × 395		610 × 460		685 × 535		765 × 595						
	下模尺寸 Bottom platen size	Mm	535 × 405		590 × 435		660 × 500		740 × 590		850 × 680						
	容模尺寸 Mold Size	Mm	355 × 225		410 × 255		460 × 310		510 × 360		570 × 400						
	最小模厚 Minimum mold thickness	Mm	100/200		150/250		200/300		200/300		200/300						
	开模行程 Opening stroke	Mm	180		200		250		270		300						
	最大开模距 Open daylight	Mm	280/380		350/450		450/550		470/570		500/600						
	顶出力 Ejector force	T	1.3		1.3		1.7		2.2		3.3						
	顶出高度 Ejector stroke	Mm	35		35		40		65		55						
其他 (Others)	油泵电机 Pump motor power	Kw	4		5.5		7.5		11		15						
	系统压力 Hydraulic system pressure	Kg/cm <sup>2</sup>	140		140		140		140		160						
	电热容量 Barrel heating power	Kw	3.1		3.8		4.1		7.3		7.3						
	总用电量 Total wattage	Kw	7.1		9.3		11.6		18.3		22.3						
	油箱容量 Oil tank capacity	L	120		180		240		280		320						
	机器重量 Machine weight (approx.)	T	0.98		1.65		2.2		3		4.1						
	机器尺寸 Machine dimensions (approx.)	m	1.6×0.95×2.7		1.8×1.2×3		2.0×1.1×2.8		2.0×1.4×3.6		2.1×1.5×3.8						

DV-1200		DV-1600		DV-2100		DV-2500		DV-3000		DV-3500		DV-4500								
Φ46	Φ50	Φ55	Φ46	Φ50	Φ55	Φ50	Φ55	Φ60	Φ50	Φ55	Φ60	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75
2117	1792	1480	2117	1792	1480	2117	1749	1470	2117	1749	1470	2066	1736	1479	2022	1723	1485	2114	1818	1587
365	431	522	365	431	522	529	641	763	529	641	763	617	734	862	848	995	1153	1127	1308	1501
332/11.6	392/13.8	465/16.3	332/11.6	392/13.8	465/16.3	481/16.9	583/20.5	694/24.4	481/16.9	583/20.5	694/24.4	561/19.7	668/23.5	784/27.6	771/27.1	905/31.8	1050/36.9	1026/36.1	1190/41.9	1366/48.1
123	145	175	131	155	168	143	173	206	143	173	206	199	237	282	220	258	300	258	300	300
120	160	210	250	300	350	450														
840×700	870×840	1180×950	1230×980	1380×1130	1380×1130	1580×1330														
1000×800	970×940	1290×1170	1490×1240	1640×1390	1640×1390	1840×1590														
600×400	650×620	880×660	950×700	1100×850	1100×850	1300×1050														
200/300	250/350	350/450	350/450	450/550	450/550	450/550														
300	300	400	400	450	450	500														
500/600	550/650	750/850	750/850	900/1000	900/1000	950/1050														
3.3	3.3	3.9	3.9	6.2	6.2	8.9														
75	75	100	100	150	150	150														
15	18.5	22	22	30	37	37+11														
160	160	160	160	160	160	160														
11.8	11.8	17.6	17.6	17.6	23.7	28.7														
26.8	30.3	39.6	39.6	47.6	60.7	76.7														
400	450	520	600	720	880	1100														
4.9	7	9	11	13.6	16.8	18.9														
2.1×1.6×4.3	3.0×1.7×4.4	3.4×1.8×5.2	4.6×2.3×6.1	4.2×2.1×5.8	4.6×2.3×6.1	4.8×2.5×6.3														

# DENICE Single/Double Slide Plate Machine DV-S/DS滑板机

## 系列特点

- ✓ 锁模力: 25T---3500T
- ✓ 射出重量: 45---10000G
- ✓ 四立柱立式锁模、立式注射
- ✓ 适合有镶嵌件的塑料制品成型和多用途注塑成型工序
- ✓ 滑板设计提高了生产效率, 提升了安全性

## Series features

- ✓ Clamping force: 25t --- 3500t
- ✓ Injection weight: 45 --- 10000g
- ✓ Four column vertical mold locking and vertical injection
- ✓ It is suitable for molding plastic products with inserts and multi-purpose injection molding processes
- ✓ Sliding plate design improves production efficiency and safety



DV-400S



DV-850S



DV-1200DS

型号 Model		单位 Unit	DV-250S/DS			DV-400S/DS			DV-600S/DS			DV-850S/DS			DV-1000S/DS			
射出系统 Injection Unit	螺杆直径 Screw diameter	Mm	Φ25	Φ28	Φ32	Φ28	Φ32	Φ36	Φ28	Φ32	Φ36	Φ36	Φ42	Φ48	Φ36	Φ42	Φ48	
	射出压力 Maximum injection pressure	Kg/cm <sup>2</sup>	1814	1446	1107	2000	1531	1210	2678	2050	1620	2074	1523	1166	2074	1523	1166	
	理论射出容积 Theoretical shot volume	CM <sup>3</sup>	49	61	80	80	104	132	80	104	132	162	221	289	162	221	289	
	射出重量(PS) Maximum shot weight(PS)	g/Oz	45/1.6	56/2.0	74/2.6	72/2.5	94/3.3	120/4.2	72/2.5	94/3.3	120/4.2	150/5.3	203/7.1	266/9.4	150/5.3	203/7.1	266/9.4	
	射出率 Injection rate	CM <sup>3</sup> /sec	38	48	62	45	59	75	49	64	81	81	110	144	92	125	162	
锁模系统 Clamping Unit	锁模力 Clamping force	Ton	25			40			60			85			100			
	上滑板尺寸 Top platen size	Mm	490 × 350			550 × 395			610 × 460			685 × 535			765 × 595			
	单/双滑板尺寸 Sliding Table size	Mm	350 × 350		350 × 700		390 × 400		390 × 800		450 × 490		450 × 1000		500 × 580		500 × 1180	
	容模尺寸 Mold Size	Mm	250 × 250			300 × 300			350 × 350			400 × 400			450 × 450			
	最小模厚 Minimum mold thickness	Mm	100/200			150/250			200/300			200/300			200/300			
	开模行程 Opening stroke	Mm	180			200			250			270		250		300		
	最大开模距 Open daylight	Mm	280/380			350/450			450/550			470/570		450/550		500/600		
	顶出力 Ejector force	T	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	2.7	2.2	2.7	2.7	2.7	2.7	2.7	
顶出高度 Ejector stroke	Mm	55	55	55	55	55	75	65	65	65	65	65	65	75	65	65		
其他 Others	油泵电机 Pump motor power	Kw	4			5.5			7.5			11			15			
	系统压力 Hydraulic system pressure	kg/m <sup>2</sup>	140			140			140			140			160			
	电热容量 Barrel heating power	Kw	3.1			3.8			4.1			7.3			7.3			
	总用电量 Total wattage	Kw	7.1			9.3			11.6		11.3		18.3		22.3			
	油箱容量 Oil tank capacity	L	120			180			240			280			320			
	机器重量 Machine weight (approx.)	T	1.3	1.45	1.75	2.1	2.3	2.7	3.2	3.6	4.2	4.6	4.6	4.6	4.6	4.6	4.6	
	机器尺寸 Machine dimensions (approx.)	m	1.8 × 0.95 × 2.8	2.1 × 0.8 × 2.8	2.0 × 1.2 × 3.1	2.4 × 1.2 × 3.1	2.4 × 1.3 × 3.0	2.7 × 1.3 × 3.2	2.8 × 1.4 × 3.7	3.1 × 1.4 × 3.7	2.6 × 1.5 × 3.9	2.9 × 1.5 × 3.9	2.9 × 1.5 × 3.9	2.9 × 1.5 × 3.9	2.9 × 1.5 × 3.9	2.9 × 1.5 × 3.9	2.9 × 1.5 × 3.9	

DV-1200S/DS			DV-1600S/DS			DV-2100S/DS			DV-2500S/DS			DV-3000S/DS			DV-3500S/DS			DV-4500S/DS		
Φ46	Φ50	Φ55	Φ46	Φ50	Φ55	Φ50	Φ55	Φ60	Φ50	Φ55	Φ60	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75
2117	1792	1480	2117	1792	1480	2117	1749	1470	2117	1749	1470	2066	1736	1479	2022	1723	1485	2114	1818	1587
365	431	522	365	431	522	529	641	763	529	641	763	617	734	862	848	995	1153	1127	1308	1501
332/11.6	392/13.8	465/16.3	332/11.6	392/13.8	465/16.3	481/16.9	583/20.5	694/24.4	481/16.9	583/20.5	694/24.4	561/19.7	668/23.5	784/27.6	771/27.1	905/31.8	1050/36.9	1026/36.1	1190/41.9	1366/48.1
123	145	175	131	155	168	143	173	206	143	173	206	199	237	282	220	258	300	258	300	300
120	160	210	250	300	350	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
840 × 700	870 × 840	1180 × 950	1230 × 980	1380 × 1130	1380 × 1130	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330	1580 × 1330
590 × 680	590 × 1388	640 × 800	640 × 1600	700 × 950	700 × 1900	930 × 1050	930 × 2150	1070 × 1250	1070 × 2500	1070 × 1250	1070 × 2500	1070 × 1250	1070 × 2500	1840 × 1590	1260 × 3200	1260 × 3200	1260 × 3200	1260 × 3200	1260 × 3200	1260 × 3200
500 × 500	550 × 550	600 × 600	800 × 800	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900	900 × 900
200/300	250/350	250/350	350/450	350/450	350/450	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550	450/550
300	300	400	400	400	450	450	450	500	500	500	500	500	500	500	500	500	500	500	500	500
500/600	550/650	550/650	750/850	750/850	750/850	900/1000	900/1000	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050	950/1050
2.7	3.9	3.9	3.9	6.2	6.2	6.2	8.9	8.9	8.9	8.9	8.9	8.9	8.9	13.2	8.9	13.2	8.9	13.2	8.9	13.2
75	75	115	125	125	125	145	175	145	175	145	175	145	175	165	150	200	150	200	150	200
15	18.5	22	18.5	22	22	30	37	37	37	37	37	37	37	37	37	37	37	37	37	37
160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
11.8	11.8	17.6	17.6	17.6	17.6	23.7	23.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
26.8	30.3	36.1	39.6	47.6	60.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
400	450	520	600	720	880	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
5.8	6.3	7.2	8.2	10.2	11.9	11.7	16.8	15.3	17.1	18.9	21.5	25	28.9	25	28.9	25	28.9	25	28.9	25
2.8 × 1.6 × 4.4	3.6 × 1.5 × 3.9	3.9 × 1.7 × 4.5	3.6 × 1.5 × 3.9	3.9 × 1.8 × 5.4	3.9 × 1.8 × 5.4	3.7 × 1.9 × 5.4	4.5 × 2 × 5.9	4.9 × 2.1 × 6	4.2 × 2.1 × 6.1	5.1 × 2.3 × 6.4	4.4 × 2.1 × 6.2	5.5 × 2.5 × 6.9	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	4.6 × 2.5 × 6.4	

# DENICE Angle Slide Machine

## DV-DSL角式滑板机



DV-400DSL



DV-600DSL



DV-1200DSL



### 德耐特色机型（已申请专利）FEATURED MODEL

#### 三大优势

- ✓ 结合了滑板机和转盘机的优势，提高了滑板机的工作效率，保证了安全。
- ✓ 相较于转盘机其抗老化能力更强，长期使用不会影响上下合模。
- ✓ 轻量化，比转盘机更加轻盈，成本也有所下降，性价比高。

#### Three advantages

- ✓ It combines the advantages of sliding plate machine and rotary table machine, improves the working efficiency of sliding plate machine and ensures safety.
- ✓ Compared with rotary table machine, its anti-aging ability is stronger, and long-term use will not affect the upper and lower mold clamping.
- ✓ Light weight, lighter than rotary table machine, lower cost and high cost performance.

# DENICE Rotary Table Machine DV-R转盘机

DV-850.2R

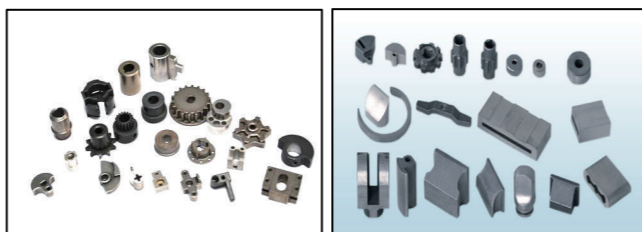


### 系列特点

- ✓ 锁模力: 25T---3500T
- ✓ 射出重量: 45---10000G
- ✓ 四立柱立式锁模、立式注射
- ✓ 适合有镶嵌件的塑料制品成型和多用途注塑成型工序
- ✓ 双工位或三工位设计圆盘设计, 提高生产效率约30%-50%

### Series features

- ✓ Clamping force: 25t --- 3500t
- ✓ Injection weight: 45 --- 10000g
- ✓ Four column vertical mold locking and vertical injection
- ✓ It is suitable for molding plastic products with inserts and multi-purpose injection molding processes
- ✓ Double station or three station design disc design, improve production efficiency by about 30% - 50%



DV-600.2R



DV-2100.2R

型号 Model		单位 unit	DV-250R			DV-400R			DV-600R			DV-850R			DV-1000R		
射出系统	螺杆直径 Screw diameter	Mm	Φ25	Φ28	Φ32	Φ28	Φ32	Φ36	Φ28	Φ32	Φ36	Φ36	Φ42	Φ48	Φ36	Φ42	Φ48
	射出压力 Maximum injection pressure	Kg/cm <sup>2</sup>	1814	1446	1107	2000	1531	1210	2678	2050	1620	2074	1523	1166	2074	1523	1166
	理论射出容积 Theoretical shot volume	CM <sup>3</sup>	49	61	80	80	104	132	80	104	132	162	221	289	162	221	289
	射出重量(PS) Maximum shot weight(PS)	g/Oz	45/1.6	56/2.0	74/2.6	72/2.5	94/3.3	120/4.2	72/2.5	94/3.3	120/4.2	150/5.3	203/7.1	266/9.4	150/5.3	203/7.1	266/9.4
	射出率 Injection rate	CM <sup>3</sup> /sec	38	48	62	45	59	75	49	64	81	81	110	144	92	125	162
锁模系统	锁模力 Clamping force	Ton	25			40			60			85			100		
	上模板尺寸 Top platen size	Mm	470 × 420			600 × 540			670 × 600			763 × 685			763 × 685		
	圆盘直径 Rotary Table Diameter	Mm	680			900			1000			1200			1200		
	容模尺寸 Mold Size	Mm	200 × 200			320 × 320			340 × 340			380 × 380			380 × 380		
	最小模厚 Minimum mold thickness	Mm	100/200			150/250			200/300			200/300			200/300		
	开模行程 Opening stroke	Mm	180			200			250			250			300		
	最大开模距 Open daylight	Mm	280/380			350/450			450/550			450/550			500/600		
	顶出力 Ejector force	T	1.7			1.7			2.7			2.7			2.7		
顶出高度 Ejector stroke	Mm	55			55			65			65			75			
其他	油泵电机 Pump motor power	Kw	5.5			7.5			11			15			15		
	系统压力 Hydraulic system pressure	Kg/cm <sup>2</sup>	140			140			140			160			160		
	电热容量 Barrel heating power	Kw	3.1			3.8			4.1			7.3			7.3		
	总用电量 Total wattage	Kw	8.6			11.3			14.8			22.3			22.3		
	油箱容量 Oil tank capacity	L	120			180			240			280			320		
	机器重量 Machine weight (approx.)	T	1.8			3.8			4.4			5.2			5.8		
	机器尺寸 Machine dimensions (approx.)	m	2.0 × 1.2 × 2.8			2.6 × 1.3 × 3.1			2.3 × 1.5 × 3.2			3.3 × 1.8 × 3.5			3.3 × 1.8 × 3.7		

DV-1200R		DV-1600R			DV-2100R			DV-2500R			DV-3000R			DV-3500R			DV-4500R			
Φ46	Φ50	Φ55	Φ46	Φ50	Φ55	Φ50	Φ55	Φ60	Φ50	Φ55	Φ60	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75
2117	1792	1480	2117	1792	1480	2117	1749	1470	2117	1749	1470	2066	1736	1479	2022	1723	1485	2114	1818	1587
365	431	522	365	431	522	529	641	763	529	641	763	617	734	862	848	995	1153	1127	1308	1501
332/11.6	392/13.8	465/16.3	332/11.6	392/13.8	465/16.3	481/16.9	583/20.5	694/24.4	481/16.9	583/20.5	694/24.4	561/19.7	668/23.5	784/27.6	771/27.1	905/31.8	1050/36.9	1026/36.1	1190/41.9	1366/48.1
123	145	175	131	155	168	143	173	206	143	173	206	199	237	282	220	258	300	258	300	300
120	160			210			250			300			350			450				
900 × 730	950 × 840			1170 × 908			2180 × 800			2180 × 800			2450 × 950			2450 × 950				
1200	1400			1600			1800			1800			2000			2000				
380 × 380	500 × 500			600 × 600			650 × 650			650 × 650			750 × 750			750 × 750				
250/350	250/350			350/450			350/450			450/550			450/550			450/550				
300	300			400			400			450			450			450				
550/650	550/650			750/850			750/850			900/1000			900/1000			950/1050				
3.9	3.9			6.2			8.9			8.9			13.2			13.2				
75	115			125			145			145			165			200				
18.5	22			22			30			37			37+7.5			37+18.5				
160	160			160			160			160			160			160				
11.8	11.8			17.6			17.6			17.6			23.7			28.7				
30.5	33.8			39.6			47.6			54.6			68.2			84.2				
400	450			520			600			720			880			1100				
7.8	9.8			13.4			19.3			20.3			24.3			33.5				
3.4 × 2 × 3.9	3.1 × 1.9 × 4.5			3.3 × 2.25 × 5.3			3.7 × 2.4 × 5.7			3.9 × 2.3 × 6.2			4.4 × 2.7 × 6.2			4.6 × 2.5 × 6.4				

# DENICE DVU SERIES

## 德耐DVU系列

- 德耐DVU系列有效降低立式注塑机工作台面及整机高度，方便人员操作，模具更换便捷，提高生产效率，节省空间。
- DENICE DVU series effectively reduces the height of the working table and the whole machine of the vertical injection molding machine, which is convenient for personnel operation and mold replacement, improves production efficiency and saves space.



# 技术德耐

## Technical of DENICE

### DVM抱闸机系列



抱闸模块

DVM-2500S

#### 1 成熟稳定性极佳

伺服驱动系统，压力、流量采用闭环控制，相比较传统注塑机，成型重复精度明显提高

#### Excellent molding produce valvestability

The servo drive system, closed-loop control of pressure and flow. Compared with traditional injection molding machine, the precision of molding repetition is significantly improved

#### 2

#### 大开模，大行程

容模体积超大，适合大型模具，调试改装的空间大

#### Large opening and stroke

Large capacity mold, suitable for large mold, large space for debugging and refitting

#### 3

#### 超低能环保

整机抱闸模块声音更轻，运行低噪音，低速运行更宁静

#### Ultra low energy environmental protection

The whole machine's holding brake module has lighter sound, lower noise and quieter low-speed operation

#### 4

#### 大幅节能

采用伺服控制系统，以及各个模块优化，相较于传统定量注塑机节能可达10%-15%

#### Substantial energy saving

Servo control system and optimization of each module can save 10% - 15% energy compared with traditional quantitative injection molding machine

#### 5

#### 轻量化、小型化

克服老机型又大又重的缺陷，让射出部分更加轻量化，整机重量下降15%

#### Lightweight and miniaturization

Overcome the defects of the old model that it is large and heavy, make the injection part lighter, and reduce the weight of the whole machine by 15%



# DENICE DC SERIES

## DC系列



DVC-600

### 系列特点

- ✓ 锁模力: 45T---120T
- ✓ 射出重量: 97---415G
- ✓ 无立柱立式锁模、立式注射
- ✓ 无立柱设计容模空间大, 适合较大工件

### Series features

- ✓ Clamping force: 45t --- 120t
- ✓ Injection weight: 97 --- 415G
- ✓ Vertical locking and injection without column
- ✓ No column design, large mold holding space, suitable for large workpieces



DC-450



DC-1200

型号 Model		单位 Unit	DC-450			DC-450DS			DC-450R2(R3)			DC-750			DC-750DS		
射出系统 (Injection Unit)	螺杆直径Screw diameter	mm	φ32	φ36	φ40	φ32	φ36	φ40	φ32	φ36	φ40	φ36	φ40	φ45	φ36	φ40	φ45
	射出压力Maximum injection pressure	Kg/cm <sup>2</sup>	1531	1210	980	1531	1210	980	1531	1210	980	1620	1313	1037	1620	1313	1037
	理论射出容积Theoretical shot volume	cm <sup>3</sup>	104	132	163	104	132	163	104	132	163	163	201	254	163	201	254
	射出重量(PS) Maximum shot weight (PS)	g/Oz	94/3.3	120/4.2	148/5.2	94/3.3	120/4.2	148/5.2	94/3.3	120/4.2	148/5.2	150/5.3	186/6.6	235/8.3	150/5.3	186/6.6	235/8.3
	射出率Injection rate	cm <sup>3</sup> /sec	64	81	100	64	81	100	64	81	100	103	128	161	103	128	161
锁模系统 (Clamping Unit)	锁模力Clamping force	ton	45			45			45			75			75		
	上模板尺寸Top platen size	mm	475 × 305			475 × 305			475 × 305			565 × 390			565 × 390		
	下模板尺寸Bottom platen size	mm	480 × 332			---			---			570 × 390			---		
	滑板尺寸Sliding Table Size	mm	---			930 × 340			---			---			1100 × 390		
	滑板行程Sliding Table Stroke	mm	---			480			---			---			570		
	圆盘直径Rotary Table Diameter	mm	---			---			φ900			---			---		
	容模尺寸Mold Size	mm	---			---			---			---			---		
	最小模厚Minimum mold thickness	mm	175			175			175			200			200		
	开模行程Opening stroke	mm	200			200			200			270			270		
	最大开模距Open daylight	mm	375			375			375			470			470		
射出中心Nozzle Center Height	mm	150±20			150±20			150±20			170±20			170±20			
射出中心距Nozzle Center Distance	mm	75			75			75			95			95			
顶出力Ejector force	T	1.7			1.7			1.7			1.7			1.7			
顶出高度Ejector stroke	mm	88			88			88			88			88			
其他 (Others)	油泵电机Pump motor power	Kw	7.5			7.5			7.5			11			11		
	系统压力Hydraulic system pressure	Kg/cm <sup>2</sup>	140			140			140			140			140		
	电热容量Barrel heating power	Kw	4.75			4.75			4.75			7.45			7.45		
	总用电量Total wattage	Kw	12.25			12.25			12.25			18.45			18.45		
	油箱容量Oil tank capacity	L	184			184			184			310			310		
机器重量Machine weight (approx.)	T	3.2			3.4			3.5			4.4			4.6			
机器尺寸Machine dimensions(approx.)	m	2.7×1.2×2.05			2.2×1.5×2.1			2.6×1.2×2.1			2.6×0.9×2.4			2.6×1.9×2.4			



DC-450DS



DC-450.2R

## 德耐CE系列 CE SERIES

- 德耐CE系列产品通过欧盟强制安全认证，设备取放区域均采用人机工程学设计，各部位的安全保护装置有效防止意外发生
- DENICE CE series products through the European Union mandatory safety certification, equipment pick-up and place area are ergonomically designed, safety protection devices in all parts of the effective prevention of accidents



DC-750R2(R3)			DC-850			DC-850DS			DC-850R2(R3)			DC-1200			DC-1200DS			DC-1200R2(R3)		
Φ36	Φ40	Φ45	Φ36	Φ40	Φ45	Φ36	Φ40	Φ45	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ45	Φ50	Φ55	Φ45	Φ50	Φ55
1620	1313	1037	1620	1313	1037	1620	1313	1037	1620	1313	1037	1919	1554	1284	1919	1554	1284	1919	1554	1284
163	201	254	163	201	254	163	201	254	163	201	254	286	353	428	286	353	428	286	353	428
150/5.3	186/6.6	235/8.3	150/5.3	186/6.6	235/8.3	150/5.3	186/6.6	235/8.3	150/5.3	186/6.6	235/8.3	265/9.3	327/11.5	395/13.9	265/9.3	327/11.5	395/13.9	265/9.3	327/11.5	395/13.9
103	128	161	103	128	161	103	128	161	103	128	161	103	128	161	103	128	161	103	128	161
75	85	85	75	85	85	75	85	85	75	85	85	120	120	120	120	120	120	120	120	120
565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	565 × 390	1095 × 575	1095 × 575	1095 × 575	1095 × 575	1095 × 575	1095 × 575	1095 × 575	1095 × 575	1095 × 575
-	570 × 390	-	-	570 × 390	-	-	570 × 390	-	-	570 × 390	-	1100 × 575	-	-	-	-	-	-	-	-
-	-	1100 × 390	-	-	1100 × 390	-	-	1100 × 390	-	-	1100 × 390	-	-	1250 × 550	-	-	1250 × 550	-	-	1250 × 550
-	-	570	-	-	570	-	-	570	-	-	570	-	-	750	-	-	750	-	-	750
Φ1000	-	-	Φ1000	-	-	Φ1000	-	-	Φ1000	-	-	Φ1000	-	-	Φ1000	-	-	Φ1000	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	200	200	200	200	200	200	200	200	200	200	200	250	250	250	250	250	250	250	250	250
270	270	270	270	270	270	270	270	270	270	270	270	300	300	300	300	300	300	300	300	300
470	470	470	470	470	470	470	470	470	470	470	470	550	550	550	550	550	550	550	550	550
170±20	170±20	170±20	170±20	170±20	170±20	170±20	170±20	170±20	170±20	170±20	170±20	200±20	200±20	200±20	200±20	200±20	200±20	200±20	200±20	200±20
95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
11	11	11	11	11	11	11	11	11	11	11	11	15	15	15	15	15	15	15	15	15
140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.45	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
18.45	18.45	18.45	18.45	18.45	18.45	18.45	18.45	18.45	18.45	18.45	18.45	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
310	310	310	310	310	310	310	310	310	310	310	310	480	480	480	480	480	480	480	480	480
4.6	4.8	5	4.6	4.8	5	4.6	4.8	5	4.6	4.8	5	6	6	6	6	6	6	6	6	6
3.0×1.3×2.4	2.6×0.9×2.4	2.6×1.9×2.4	3.0×1.3×2.4	2.6×0.9×2.4	2.6×1.9×2.4	3.0×1.3×2.4	2.6×0.9×2.4	2.6×1.9×2.4	3.0×1.3×2.4	2.6×0.9×2.4	2.6×1.9×2.4	3.5×1.2×2.8	3.6×2.2×2.8	3.6×2.2×2.8	3.6×2.2×2.8	3.6×2.2×2.8	3.6×2.2×2.8	4.1×1.5×2.8	4.1×1.5×2.8	4.1×1.5×2.8

◆ 以上规格仅供参考，需以实际为准



# DENICE DK SERIES

## DK 系列



DK-1200S.BMC



DK-900



DK-2100S

型号 Model	单位 Unit	DK 900		DK-S 900		DK 1200		DK-S 1200		DK 1600		DK-S 1600		DK 2100		DK-S 2100	
		螺杆直径Screw diameter	mm	Φ36	Φ40	Φ45	Φ40	Φ45	Φ50	Φ45	Φ50	Φ55	Φ50	Φ55	Φ60	Φ50	Φ55
射出压力Maximum injection pressure	Kg/cm <sup>2</sup>	2177	1763	1393	2083	1645	1333	2291	1856	1534	2288	1891	1589	2288	1891	1589	
理论射出容积Theoretical shot volume	cm <sup>3</sup>	163	201	254	232	294	363	381	471	570	491	594	707	491	594	707	
射出重量/PSMaximum shot weight/PS	g/Oz	145/5.1	179/6.3	227/8.0	215/7.6	272/9.6	336/11.8	340/11.9	420/14.8	509/17.9	490/16	593/19.4	706/23	490/16	593/19.4	706/23	
射出率Injection rate	cm <sup>3</sup> /sec	84	103	131	96	121	151	127	157	190	127	154	183	127	154	183	
锁模力Clamping force	ton	90		120		160		210		280		360		480		630	
单滑板尺寸Sliding Table size	mm	-	380×550		-	420×650		-	440×700		-	540×800		-	540×800		
单滑板行程Sliding Table Stroke	mm	-	570		-	650		-	700		-	750		-	750		
容模尺寸Mold Size	mm	410×530		450×570		460×600		560×700		560×700		560×700		560×700		560×700	
最小模厚Minimum mold thickness	mm	250		250		250		300		300		300		300		300	
开模行程Opening stroke	mm	300		300		350		400		400		400		400		400	
最大开模距Open daylight	mm	550		550		600		700		700		700		700		700	
射出中心Nozzle Center Height	mm	125±20		125±20		175±20		175±20		175±20		175±20		175±20		175±20	
射出中心距Nozzle Center Distance	mm	125		125		125		150		150		150		150		150	
顶出力Ejector force	T	2.7		3.9		3.9		6.2		6.2		6.2		6.2		6.2	
顶出高度Ejector stroke	mm	75		75		75		120		120		120		120		120	
油泵电机Pump motor power	Kw	15		15		18.5		22		22		22		22		22	
系统压力Hydraulic system pressure	Kg/cm <sup>2</sup>	140		140		140		140		140		140		140		140	
电热容量Barrel heating power	Kw	6.5		7.8		10.7		12		12		12		12		12	
总用电量Total wattage	Kw	21.5		22.8		29.2		34		34		34		34		34	
油箱容量Oil tank capacity	L	380		480		500		550		550		550		550		550	
机器重量Machine weight /approx.	T	4	4.2	6.8	7	7.2	7.4	9.9	10	10	10	10	10	10	10	10	10
机器尺寸 Machine dimensions/approx.	m	2.9×1.4×2.7	3.3×1.4×2.8	3.6×1.5×2.9	3.6×1.5×2.9	3.6×1.5×3.0	4.1×1.5×3.0	3.8×1.5×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3	4.3×1.6×3.3



DK-900DS



DK-1600



DK-1200.2R



DK-1200.S

DK	DK-S	DK	DK-S	DK	DK-S	DK	DK-S	DK	DK-S	DK	DK-S	DK	DK-S	
2500		3000				3500			4500			5500		
Φ50	Φ55	Φ60	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75	Φ70	Φ75	Φ80
2288	1891	1589	2036	1711	1458	1866	1590	1370	1968	1697	1478	2057	1792	1575
491	594	707	618	735	863	791	928	1077	1062	1232	1414	1847	2121	2413
490/16	593/19.4	706/23	571/20.1	679/24	797/28.1	705/24.8	829/29.2	961/33.8	948/33.4	1099/38.8	1262/44.5	1648/58	1893/66.8	2153/76
127	154	183	207	246	289	158	186	215	289	335	385	323	371	422
250		300				350			450			550		
-	580×850	-	600×950	-	620×1050	-	650×1050	-	-	-	-	-	-	720×1200
-	800	-	900	-	1050	-	1050	-	-	-	-	-	-	1200
600×735		620×780				650×830			680×900			750×1000		
300		300				300			350			450		
450		450				450			600			600		
750		750				750			950			950		
175±20		175±20				200±20			200±20			200±20		
150		150				150			200			200		
6.2		8.9				8.9			8.9			8.9		
120		120				120			150			150		
30		30				37			41			48		
140		140				140			140			140		
12		17.5				19.8			19.8			22		
42		47.5				56.8			60.8			70		
600		700				800			900			1000		
11.2	12	12.5	13	14	15	16	17	18	18	18	19	18	19	19
4.3×1.6×3.6	5.1×1.6×3.7	4.5×1.7×3.7	5.0×1.7×3.7	4.6×1.8×3.8	5.7×1.8×3.8	4.6×1.8×4.2	6.1×1.8×4.2	5.3×2.0×4.4	6.6×2.0×4.5	6.6×2.0×4.5	6.6×2.0×4.5	6.6×2.0×4.5	6.6×2.0×4.5	6.6×2.0×4.5

型号 Model		单位 Unit	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R						
射出系统 Injection Unit	螺杆直径Screw diameter	mm	Φ36	Φ40	Φ45	Φ40	Φ45	Φ50	Φ45	Φ55	Φ50	Φ55	Φ60					
	射出压力Maximum injection pressure	Kg/cm2	2177	1763	1393	2083	1645	1333	2291	1856	1534	2288	1891	1589				
	理论射出容积Theoretical shot volume	cm <sup>3</sup>	163	201	254	232	294	363	381	471	570	491	594	707				
	射出重量/PSMaximum shot weight/PS	gOz	145/5.1	179/6.3	227/8.0	215/7.6	272/9.6	336/11.8	340/11.9	420/14.8	509/17.9	490/16	593/19.4	706/23				
	射出率Injection rate	cm <sup>3</sup> /sec	84	103	131	96	121	151	127	157	190	127	154	183				
锁模系统 Clamping Unit	锁模力Clamping force	ton	90		120		160		210		210		210					
	双滑板尺寸Sliding Table size	mm	380×1100		-	420×1300		-	440×1400		-	540×1600		-				
	双滑板行程Sliding Table Stroke	mm	570		-	650		-	700		-	750		-				
	圆盘直径Rotary Table Diameter	mm	-		1200		-		1400		-		1600					
	容模尺寸Mold Size	mm	410×530		450×350		450×570		450×350		460×600		550×450		560×700		700×500	
	最小模厚Minimum mold thickness	mm	250		250		250		250		300		300		300			
	开模行程Opening stroke	mm	300		300		300		350		400		400		400			
	最大开模距Open daylight	mm	550		550		550		600		700		700		700			
	射出中心Nozzle Center Height	mm	125±20		125±20		125±20		175±20		175±20		175±20		175±20			
	射出中心距Nozzle Center Distance	mm	125		125		125		125		150		150		150			
其他 Others	顶出力Ejector force	T	4.0		4.0		4.0		4.0		6.2		6.2					
	顶出高度Ejector stoke	mm	75		75		75		75		120		120					
	油泵电机Pump motor power	Kw	15		15		18.5		22		22		22					
	系统压力Hydraulic system pressure	Kg/cm2	140		140		140		140		140		140					
	电热容量Barrel heating power	Kw	6.5		7.8		10.7		12		12		12					
	总用电量Total wattage	Kw	21.5		22.8		29.2		34		34		34					
	油箱容量Oiltank capacity	L	380		480		500		550		550		550					
其他 Others	机器重量Machine weight /approx.	T	4.5	4.7	7.2	7.2	7.5	7.5	10.2	10.3	10.2	10.3	10.3	10.3				
	机器尺寸Machine dimensions/approx.	m	2.9×2.2×2.8	3.8×1.7×2.9	3.6×2.4×2.9	4.1×1.9×2.9	3.7×2.7×3.0	4.5×2.2×3.0	3.8×2.8×3.3	4.5×2.3×3.3	3.8×2.8×3.3	4.5×2.3×3.3	4.5×2.3×3.3					



DK-2100



DK-1600.2R



DK-1000.2R



DK-1800.2R

## 油电复合注塑机 DV-E系列

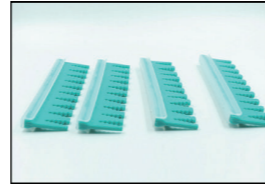
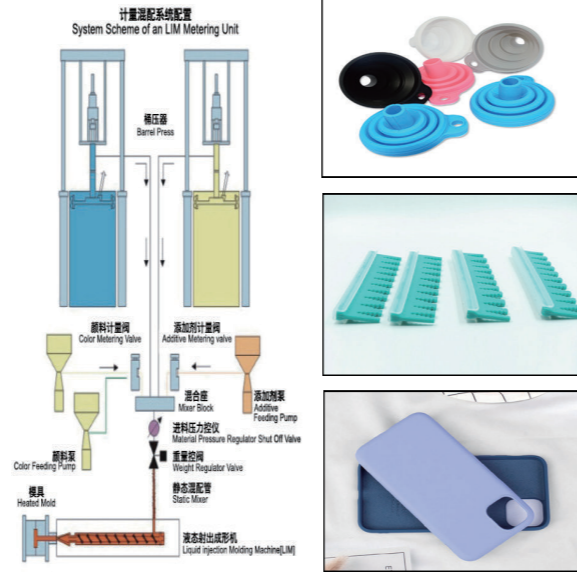
- 德耐油电复合注塑机DV-E系列产品采用伺服控制系统，结合了液压式和电动式的优点，大幅缩减单次射出时间，提升射出速度，同时能耗降低30%以上
- The DV-E series products of DENICE Oil Electric Compound Injection Molding Machine adopt servo control system, combining the advantages of hydraulic and electric type, greatly reducing the single injection time, improving the injection speed, and reducing the energy consumption by more than 30%



DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R	DK-DS	DK-R			
2500		3000				3500			4500		5500			
Φ50	Φ55	Φ60	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75	Φ70	Φ75	Φ80
2288	1891	1589	2036	1711	1458	1866	1590	1370	1968	1697	1478	2057	1792	1575
491	594	707	618	735	863	791	928	1077	1062	1232	1414	1847	2121	2413
490/16	593/19.4	706/23	571/20.1	679/24	797/28.1	705/24.8	829/29.2	961/33.8	948/33.4	1099/38.8	1262/44.5	1648/58	1893/66.8	2153/76
127	154	183	207	246	289	158	186	215	289	335	385	323	371	422
250		300				350			450		550			
580×1700	-	600×1900	-	620×2100	-	650×2100	-	720×2400	-	-	-	-	-	-
800	-	900	-	1050	-	1050	-	1200	-	-	-	-	-	-
-	1800	-	1800	-	2000	-	2000	-	2000	-	2000	-	2000	-
600×735	800×600	620×780	800×600	650×830	900×650	680×900	900×650	750×1000	900×650	750×1000	900×650	750×1000	900×650	900×650
300		300		300		350		450		350		450		600
450		450		450		600		600		600		600		600
750		750		750		950		950		950		950		950
175±20		175±20		200±20		200±20		200±20		200±20		200±20		200±20
150		150		150		200		200		200		200		200
6.2		6.2		6.2		7		7		7		7		7
120		120		120		150		150		150		150		150
30		30		37		41		41		41		48		48
140		140		140		140		140		140		140		140
12		17.5		19.8		19.8		19.8		19.8		22		22
42		47.5		56.8		60.8		60.8		60.8		70		70
600		700		800		900		900		900		1000		1000
12.4	12.3	14	13.5	16	15.5	18	17.5	20	19.5	20	19.5	20	19.5	19.5
4.3×2.7×3.7	5.5×2.4×3.8	4.5×3.1×3.8	5.6×2.4×3.8	4.7×2.9×3.8	7.7×2.4×3.9	4.8×3.2×4.1	6.0×2.9×4.2	5.3×3.2×4.5	6.5×3.1×4.6	5.3×3.2×4.5	6.5×3.1×4.6	5.3×3.2×4.5	6.5×3.1×4.6	6.5×3.1×4.6

◆ 以上规格仅供参考，需以实际为准

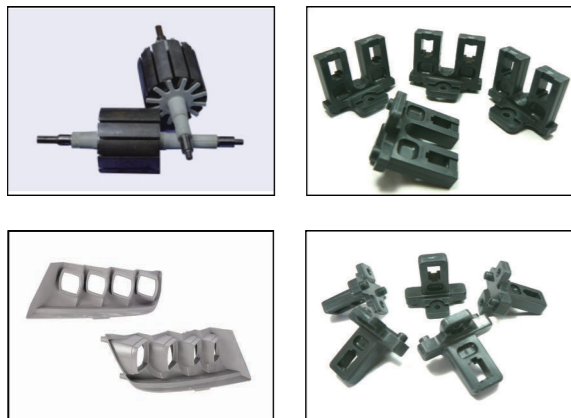
# 专用机系列 SPECIAL SERIES



计量机  
Metering M/C



螺杆复合柱塞机  
Screw composite plunger M/C



医疗行业是可持续性发展的国家重要产业，无论是大型的医疗设备，还是采血针、体温计的小型设备，德耐立式注塑机都能很好的应用

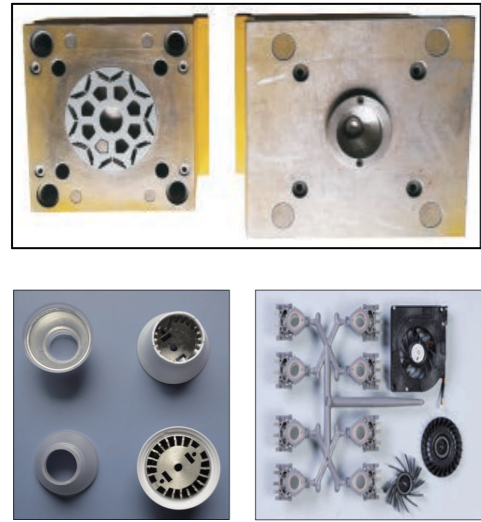
The medical industry is an important national industry with sustainable development. Whether it is large-scale medical equipment, or small equipment such as blood collection needles and thermometers, the DENICE vertical injection molding machine can be well applied

医疗采血针专用机1  
Medical blood collection needle M/C1



医疗采血针专用机2  
Medical blood collection needle M/C2

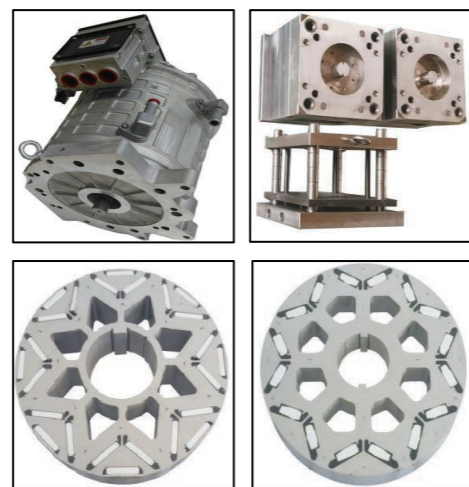




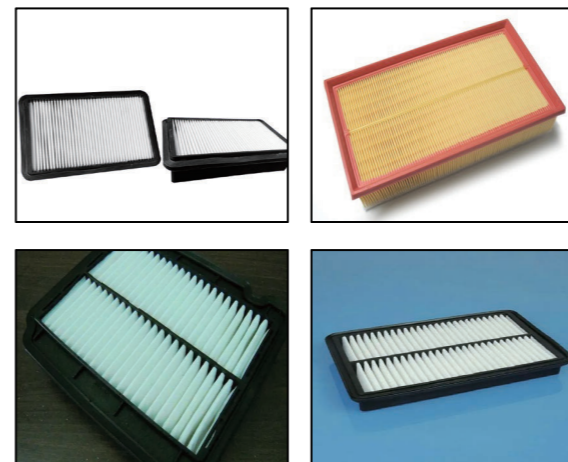
新能源汽车电机转子、定子专用机  
Motor rotor of new energy vehicle M/C



汽车传感器专用机  
AUTO sensor M/C

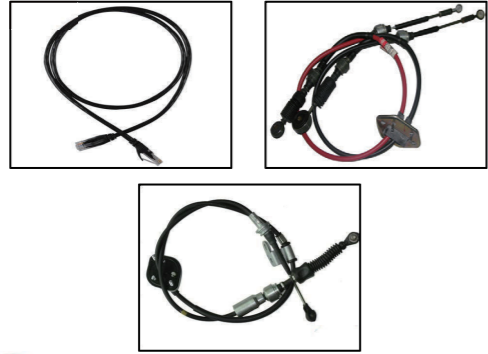


EMC新能源电机专用机柱塞式  
EMC new energy motor special plunger type



汽车空滤专用机  
AUTO air filter M/C

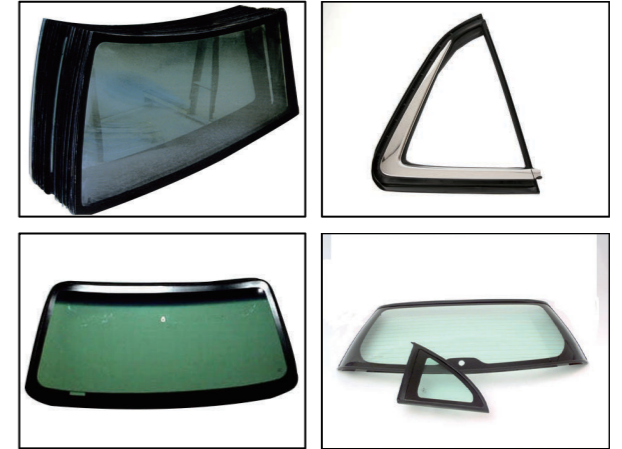




汽车拉索专用机  
AUTO cable M/C



汽车玻璃包边专用机1  
AUTO glass M/C



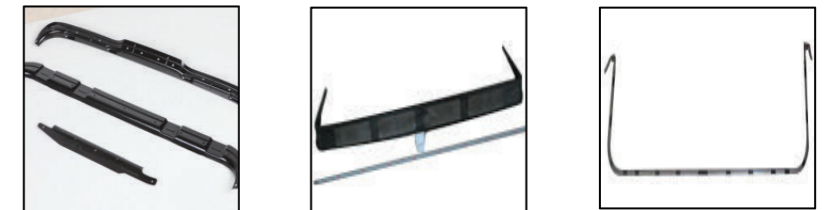
汽车操纵杆专用机  
AUTO control levels M/C



汽车玻璃包边专用机2  
AUTO glass M/C



汽车密封条专用机  
AUTO sealing strips M/C



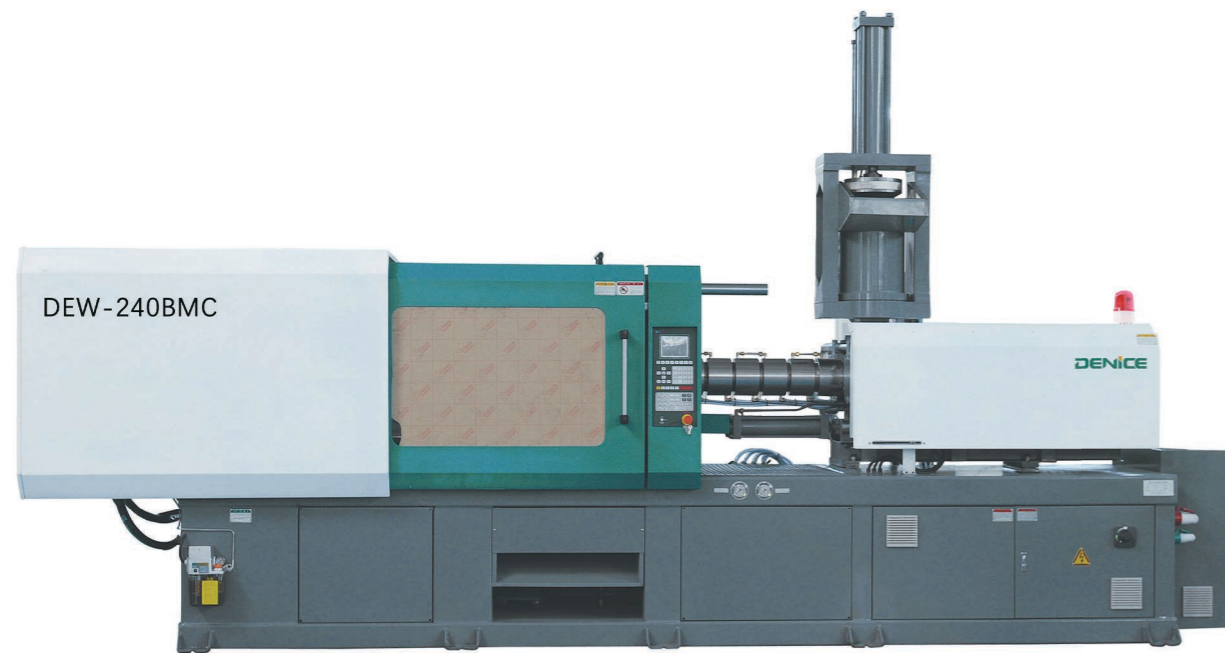
汽车天窗风网专用机  
AUTO sunroof M/C



### BMC专用机

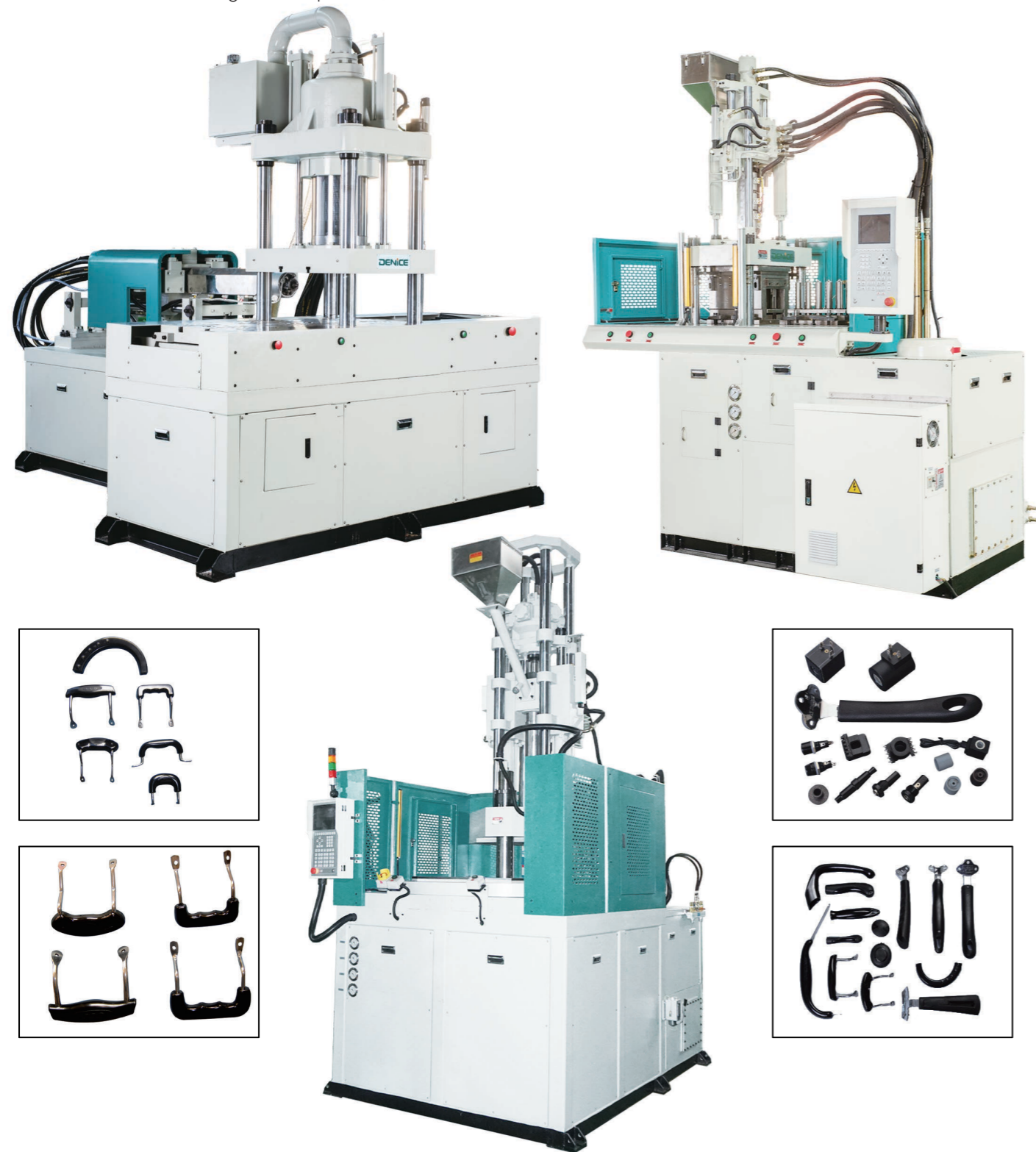
- 采用高性能控制系统，具有模具注塑工艺参数记忆功能、故障诊断报警功能；
- 针对热固性材料的特殊性，采用专门开发的耐用螺杆，耐磨耐腐蚀；
- 选择机型有DV-B标准系列、DV-SB单滑板系列、DC-B无立柱系列、电木(BMC)机型、DVM抱闸系列

- A high-performance control system is adopted, which has the function of memorizing the process parameters of injection molding, fault diagnosis and alarm;
- For the particularity of thermosetting materials, specially developed durable screws are used, which are wear-resistant and corrosion-resistant;
- The selected models include dv-b standard series, dv-sb single slide plate series, DC-B no column series, bakelite (BMC) model, DVM band brake series



### 电木专用机

- 立式锁模、立式或横式注射结构，适合各种电木及BMC制品的生产需要；
- 专用螺杆设计，减少剪切散热，避免原料在料筒内固化，料管组件采用合金材料，耐磨耐用；
- 一体式油预热设计、温度精确均匀；随机配模具隔热装置；预留模具加热、温度接口。
- Vertical mold locking, vertical or horizontal injection structure, suitable for the production needs of various bakelite and BMC products;
- The special screw design reduces shearing and heat dissipation, avoids the solidification of raw materials in the barrel, and the tube components are made of alloy materials, which are wear-resistant and durable;
- Integrated oil preheating design, accurate and uniform temperature; Equipped with mold insulation device; Reserved mold heating and temperature interfaces.



镜脚专用机  
Spectacle bar M/C



眼镜专用机  
Spectacle M/C



镜框专用机  
Spectacle frame M/C



### 多色物料专用机

- 多组独立射出单元，独立工作，稳定可靠，减短生产周期，降低能耗，提高效率；
- 采用多色机搭配模具，一次成型，降低成本；
- Multiple groups of independent injection units, working independently, stable and reliable, shorten the production cycle, reduce energy consumption and improve efficiency;
- Adopt multi-color machine with mold, one-time molding, reduce cost;



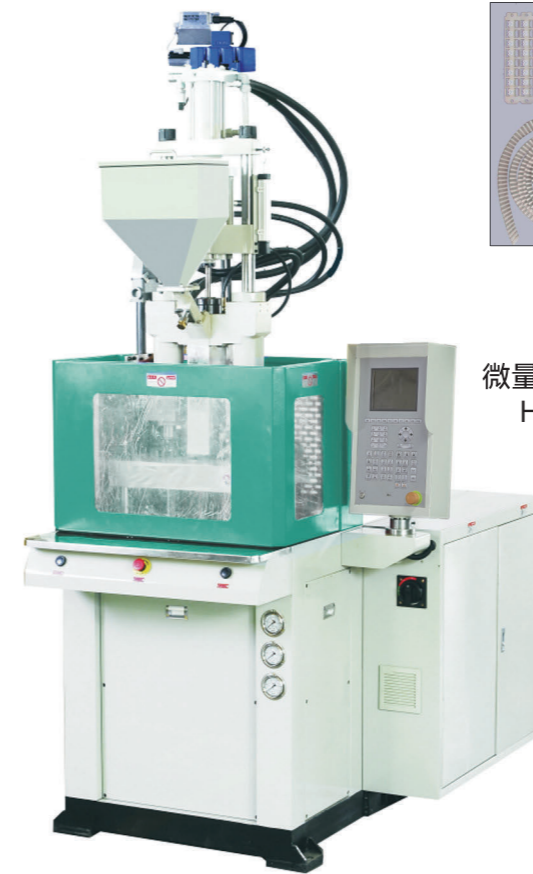
转塔双色专用机  
Turret dual color M/C



转塔三色专用机  
Turret tricolor M/C



转盘双色专用机  
Turntable two colors M/C



微量高速高精密专用机  
High speed M/C



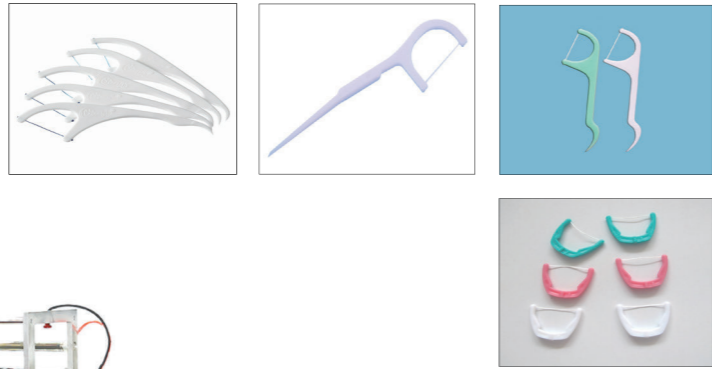
低压低速专用机  
Low pressure low speed M/C



全自动拉链排米机  
Full-automatic Zipper M/C



牙线专用机  
Dental floss M/C



手机专用机  
Cellphone M/C



高尔夫球专用机  
Golf ball M/C



预分支电缆专用机  
Pre branched cable M/C

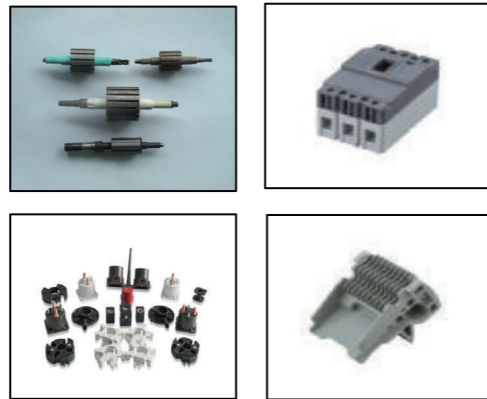


开关插座盖专用机  
Powder metallurgy M/C



氟塑料射出成型专用机  
Fluoroplastic M/C





高精度自动化设备  
High-precision automation M/C



环氧玻璃纤维设备  
Epoxy fiberglass equipment



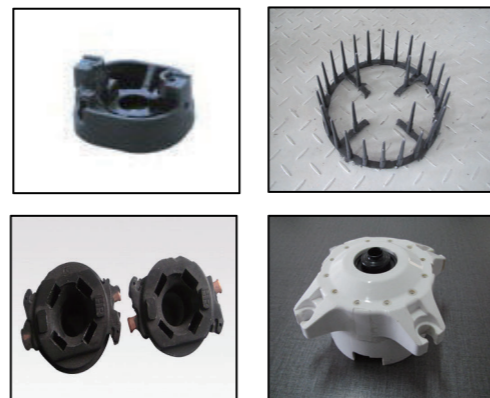
立式柱塞机  
Vertical plunger M/C



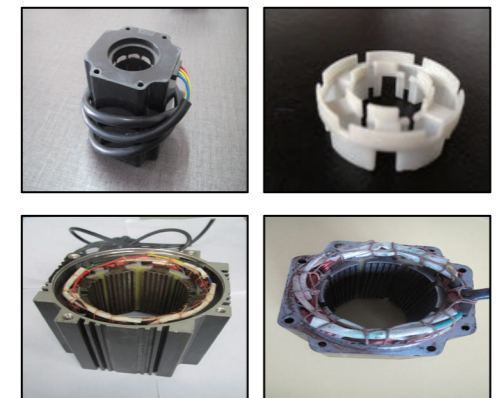
双料缸柱塞机  
Double cylinder plunger M/C



卧式柱塞机  
Horizontal plunger M/C

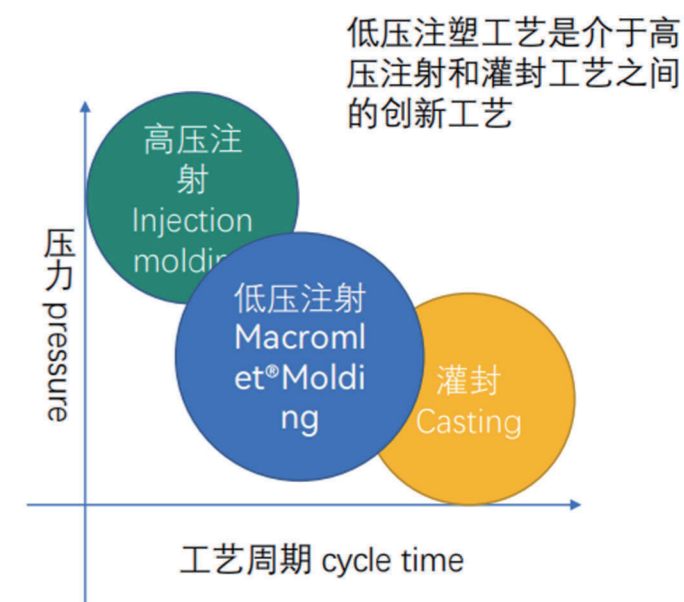
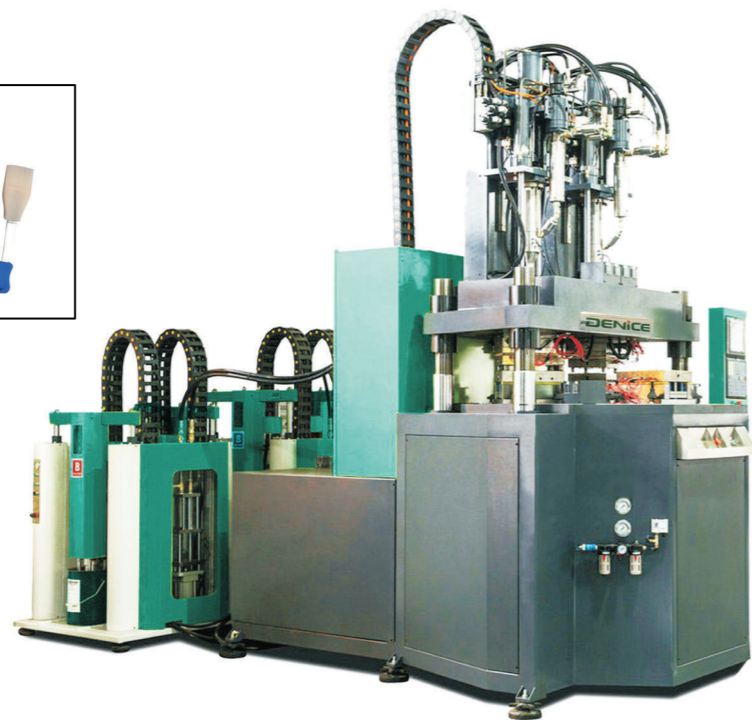
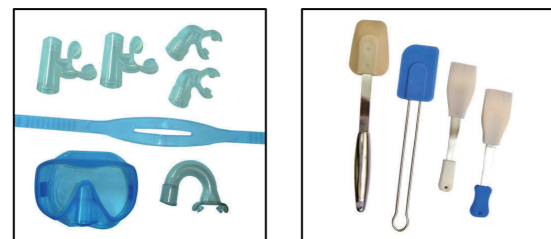


K型转盘机  
K-type turntable M/C



### 液态硅胶专用机

- 方便的操控位设计，实现送料注射一体化；
- 低压保护装置和模具定时预热功能，充分保护模具延长使用寿命；
- 采用特殊的LSR专用水冷式料管及油压封闭射嘴，有效抑制漏胶和射嘴固化。
- Convenient control position design to realize the integration of feeding and injection;
- The low-voltage protection device and the regular preheating function of the mold fully protect the mold and extend its service life;
- Special LSR special water-cooled material pipe and oil pressure are used to seal the nozzle, effectively inhibiting glue leakage and nozzle solidification.



Macro melt 低压注射工艺是一种以很低的注射压力 (1.0 ~ 40bar) 将封装材料注入模具并快速固化成型 (5 ~ 35秒) 的封装工艺方法，以达到绝缘、耐高温、抗冲击、减振、防潮、防水、防尘、耐化学腐蚀等功效。该系统由材料、模具、设备和应用技术组成。汉高技术为此工艺提供了高性能的Macro melt 系列特种热熔胶作为封装材料，主要应用于精密、敏感的电子元件的封装与保护，包括：PCB电路板、电脑周边连接器/线、汽车电子产品、线束线缆、手机电池、防水连接器、传感器、微动开关、电感器、天线、马达线圈、环索、LED灯等

高压注射 Injection molding 压力 pressure 工艺周期 cycle time 灌封 Casting 低压注射 Macromelt® Molding 低压注塑工艺是介于高压注射和灌封工艺之间的创新工艺

Macro melt 低压注射工艺 = 低气压 + 汉高热熔胶 + 注射成型



## 1 锁模部分 CLAMPING PART

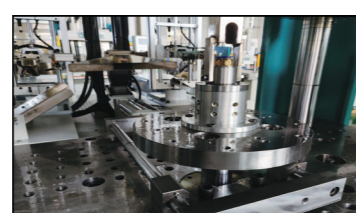
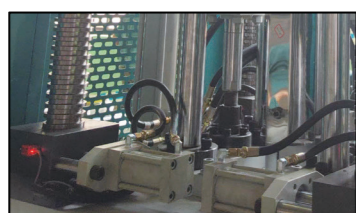
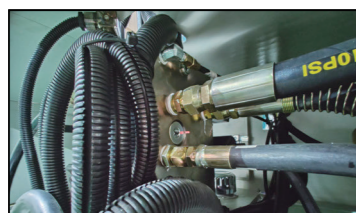
- 优化设计的机铰连结构，开合模平稳快速，寿命长；
- 精准的测控电子尺，更便于调节模具保护位置。
- 德耐自研新型油箱结构，方便机器后续维护
- Optimized design of the machine hinge structure, smooth and fast opening and closing die, long life
- The precise measurement and control electronic ruler makes it easier to adjust the protective position of the mold.
- DENICE self-developed new fuel tank structure, convenient for subsequent maintenance of the machine

## 2 射出部分 INJECTION UNIT

- 高速液压马达
- 注射、保压压力闭路控制，背压精密控制
- 螺杆料筒结构简单，拆卸简单，更换方便
- 高强度的机械结构设计，保持持久精密
- 低速大扭矩液压马达驱动螺杆，塑化性能极佳
- 优化设计的螺杆，原料适用性广（可选）
- High speed hydraulic motor
- Injection, holding pressure closed-loop control, back pressure precision control
- screw barrel structure is simple, the disassembly is simple, and the replacement is convenient
- High-strength mechanical structure design, keep lasting precision
- Low speed and high torque hydraulic motor drive screw, excellent plasticization performance
- Optimized screw design with wide applicability of raw materials (optional)

## 3 液压系统 HYDRAULIC UNIT

- 采用国际加工技术制造阀块
- 符合国际安全标准的液压回路设计
- 油温自动读取
- 精密的焊接管路施工，保证持久可靠的维护
- 采用国际知名的液压元器件
- Manufacture of valve blocks using international processing technology
- Hydraulic circuit design to meet international safety standards
- The oil temperature is automatically read
- Precision welded line construction ensures long-lasting and reliable maintenance
- The use of internationally renowned hydraulic components



## 4 电气部分 ELECTRIC SYSTEM

控制器采用专业注塑及专用计算机，支持以下功能：

- 面板操作界面可支持多国语言；
  - 系统单元采用双核微处理器，具有高速、抗噪声、低功耗；
  - USB界面可更新或备份成型、系统参数；
  - 内建以太网网络界面，连接方便快捷；
  - 智能保养页面提示功能，提供多画面保修保养说明及提示；
  - 射胶压力、速度、终点及保压压力、曲线图形显示；
  - 具有120组修改记录及120组警报记录功能，方便出现异常时资料查找
  - 计算机开机自我软/硬件检测功能及机械故障报警功能；
  - I/O模拟功能，可实现输入/输出点在线模拟，易于查找接线和自我侦测，
  - I/O故障点转向功能，可实现软件替代硬件功能；
  - 采用德耐自主研发的电器控制系统；
  - 人性化的操作面板，可旋转180°，更便于人操作；
  - 伺服驱动器可实现数字化控制及模拟量控制多种控制方式，
  - 以满足多样化需求；（选配）
- 标配多种闭环监控装置。



- support for multiple languages;
- The system unit adopts a dual-core microprocessor, which has high speed, anti-noise, and low power consumption;
- The USB interface can update or backup the molding and system parameters;
- Built-in Ethernet interface, easy and fast connection;
- Intelligent maintenance page prompt function, providing multi-screen warranty maintenance instructions and tips;
- Injection pressure, speed, end point and packing pressure, curve graphic display;
- It has 120 sets of modification records and 120 sets of alarm records, which is convenient for data search when abnormalities occur
- Computer boot self-software/hardware detection function and mechanical fault alarm function;
- I/O analog function, can realize input / output point online simulation, easy to find wiring and self-detection, I/O fault point steering function, can achieve software to replace hardware functions;
- Adopt the electrical control system independently developed by DENICE;
- Humanized operation panel, can be rotated 180°, more convenient for people to operate;
- Servo drive can realize digital control and analog control of a variety of control methods to meet diverse needs; (Optional)
- A variety of closed-loop monitoring devices are available as standard.



通用性能:

- 下模固定, 上模活动, 适合嵌入件注塑成型。
- 氮化钢螺杆料管, 高扭矩液压马达驱动, 多段注塑压力, 塑化性能好。
- 直压式子母锁模缸设计. 高速低压合模. 多重压力控制, 提高模具使用寿命, 安全性高。
- 电器保护装置, 无误动作发生, 保护操作人员安全。

标准装置:

- 安全光栅装置
- 螺杆冷料保护装置
- 紧急停止安全开关
- P.I.D比例式温度控制
- 自动故障显示及停机
- 全电脑荧屏显示电控
- 双押扣开关安全启动装置
- 快速锁模, 低压安全锁模装置
- 自动洗料装置
- 双比例油路控制

特殊装置:

- 滑板台单模滑板或双模滑板装置, 能提高生产效率至30%~50%。
- 转盘台双模位或三模位转盘装置 安全省时, 能提高生产效率至40%~80%。
- 自动化嵌入件系统(专用机设计)
- 高耐磨耐腐蚀螺杆料筒组。
- 自动润滑 (自动集中供油装置)

GENERAL FEATURES:

- Fixed lower platen, Movable upper platen mounting. Suitable for all kinds of insert molding.
- Nitrided steel screw and barrel, direct driven by high torque motor, with multi-stages injection speed for better. Suitable for most kinds of plastic material.
- Vertical clamping system, with high speed, low pressure control, safe and prolong mold Using-life.
- Electronic circuit have protection device to maintain Operation safety.

STANDARD EQUIPMENT:

- Optical grating
- Screw cool-protect equipment
- Emergency stop safety switch P.L.D proportional temperature control
- Auto malfunction display and stop working
- Micro computer screen control system
- Double-way safety start up switch
- High speed, low pressure safety clamping device
- Auto clean equipment
- Dual proportion oil circuit control

SPECIAL EQUIPMENT(OPTIONAL) :

- Single plate or double plate are available. Increase production efficiency up to 30-50%.
- Rotary table 2to 3 stations Rotary system are available, Increase production efficiency up to 40-80% safely.
- Automatic insert system.
- Thermosetting injection system.
- Abrasion resistant and corrosion resistant screw set.
- Auto-filling lubricant system

1 选择装置 OPTIONAL EQUIPMENT

- 弹簧料嘴装置
- 自动警报装置
- 特殊液压单元配置
- 特殊电气控制单元配置
- 干燥料斗或自动吸料机
- 抽芯装置
- 拉链机吹气装置
- 机械保护装置
- 电磁快速换模系统
- 液压快速锁模系统
- 加长开模行程
- 热流道时序控制装置

- Spring nozzle
- Auto alarm device
- Double-proportional pressure and flow control
- Special dynamo-electric control unit configuration
- Special hydraulic unit configuration
- Drawer equipment
- Zipper machine huff-setting
- Mechanical Protection Equipment
- Swift electromagnetic
- Swift hydraulic mold-clamping system
- Elongated opening stroke
- Heat flow's chronological control system

- 热流道内置集成
- 液压举模装置
- 欧规强制顶针
- 上顶出结构
- 模具温度显示(显示屏内)
- 液压射嘴
- 气动料门滑块
- 横开式安全门
- 特殊原料专用螺杆
- 模腔压力反馈监测
- 可视分水阀
- 油温预热及恒温

- Heat flow's imbedded integrated circuit
- Hydraulic mold-heaving device
- European-standardized compulsory ejector
- Upper ejection structure
- Mold temperature Monitor
- Hydraulic nozzle
- Air-driving slide block of hopper
- Horizontally-opening safety window
- Specialized screw for special material
- Monitor of the pressure of mold's interior
- Visible water-distributing valve
- Maintenance and preheat of constant oil temperature

NO	系统名称 System name	Project 项目	应答性 (ms) Responsiveness(ms)	复性 (%) Repeatability(%)	噪音 (Hb) Noise(Hb)	节能 (%) Energy-saving(%)
A	PQ开环系统 PQ open-loop system		80	3	75-85	-
B	精密半闭环系统 Precise semi closed-loop		30-75	0.5	45-85	-
C	省电闭环系统 Electricity-saving closed-loop system		30-75	0.5	65-75	20-40
D	省电高精度全闭环系统 Electricity-saving high-precise full closed-loop system		30-40	0.3	60-70	40-50
E	高精密射出全闭环系统 High-precise jetting full closed-loop system		25-35	0.1	75-85	-
F	SP-ACC高速高精射出全闭环系统 SP-ACC high-speed and high-precise jetting full closed-loop system		25-35	0.1	75-85	-

2 服务与管理体系 SERVICE & MANAGEMENT

售前服务

- ✓ 为客户正确选购注塑机提供全方位的技术服务与支持
- ✓ 全面了解客户的各项需求
- ✓ 帮助客户选择正确的机型
- ✓ 帮助客户配置周边设备
- ✓ 提供德耐塑机的可行性方案
- ✓ Supply the best solutions with technology support for customer
- ✓ Fully understand the needs of customers
- ✓ Help customers choose the right model
- ✓ Help customers configure peripheral devices
- ✓ Provide the feasible scheme of DENICE plastic machine

售中服务

- ✓ 准时将合格的机器交付给客户, 并教会客户如何使用
- ✓ 及时与公司市场部沟通, 按时向客户交货
- ✓ 协助客户安装、调试
- ✓ Deliver qualified machines to customers on time and teach customers how to use them
- ✓ Deliver on time
- ✓ Assist customers in installation and commissioning

售后服务

- ✓ 保修期一年, 机器终身维修, 凡我司生产的机器, 是否在保修期内都将终身维修
- ✓ 充足的零配件供应
- ✓ The warranty period is one year, and the machine is maintained for life. Whether the machines produced by our company are within the warranty period will be maintained for life
- ✓ Sufficient supply of spare parts

管理体系

- 德耐引进德国ISO质量管理体系, 坚持6S管理模式, 秉持用产品说话, 让服务赢得客户的理念。
- DENICE introduces the German ISO quality management system, adheres to the 6S management mode, and adheres to the concept of "speaking with products and winning customers with services".

企业荣誉

