www.dekuma.com



总部，生产及研发中心——东莞
Head office, R&D and Production Centre - Dongguan

生产基地——无锡
Production Base - Wuxi

地区性服务中心——印度、土耳其、美国
Regional Service Centre-India, Turkey, USA

销售、服务
Sales & Service Office

公众号 / Wechat

官　网 / Web

德科摩橡塑科技 (东莞) 有限公司
DEKUMA RUBBER AND PLASTIC TECHNOLOGY (DONGGUAN) LTD.
（大同机械企业有限公司成员 Member of Cosmos Machinery Enterprises Ltd.）

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荣获ISO 9001认证
An ISO 9001 certified company

Rubber Injection Molding Machine 202609

DEKUMA
中国高端橡塑机械行业领导者

可信可靠 德科摩造
TRUSTED RELIABILITY BUILT BY DEKUMA

RUBBER INJECTION MOLDING MACHINE

橡胶注射成型机



德科摩橡塑科技 (东莞) 有限公司
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DEKUMA

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

COMPANY PROFILE
企业简介

Leader of China's high-end rubber and plastic machinery
中国高端橡塑机械行业领导者



Heritage and Industrial Strength

DEKUMA is a national high-tech enterprise integrating R&D, manufacturing, sales and service. It is a wholly owned subsidiary of Cosmos Machinery Enterprises Limited, a company listed on the Main Board of The Stock Exchange of Hong Kong Limited. DEKUMA specialises in the development, manufacture and sale of a diverse range of intelligent rubber and plastics processing equipment, including rubber injection molding machines, pipe extrusion lines, hydraulic presses and Differential Pressure Overlay Decoration (DOD) systems. Its products are widely used in automotive components, building materials, energy transmission, telecommunications and other key sectors.

品牌底蕴，产业根基

德科摩是集研发、生产、销售、服务于一体的国家高新技术企业，为香港上市公司大同机械企业有限公司旗下全资子公司。公司专注于橡胶注射成型机、管材挤出生产线、油压机、DOD压差披覆装饰设备等多元橡塑智能装备的研发、生产与销售，产品广泛应用于汽车零配件、建筑材料、能源输送、电子通讯等核心领域。

Trusted Reliability, Built by DEKUMA

DEKUMA's products strictly adhere to German technical standards. Core components are designed by German engineers. To ensure the reliability and operational stability of the equipment, we strictly follow the German standards during the whole process from raw material selection to production. With advanced technology, reliable quality, and comprehensive service, DEKUMA ranks among the leading manufacturers in China and has become a preferred alternative to European premium equipment.

可信可靠，德科摩造

德科摩全线产品严格遵循德国技术标准，核心部件由德国工程师主导设计，从原材料甄选到生产加工全流程均执行德国严苛规范，保障设备的可靠性与运行稳定性。凭借领先的技术实力、过硬品质与完善服务，德科摩稳居国内行业前列，成为替代进口高端设备的优选品牌。

Technology Leadership and Innovation

DEKUMA has built a multidisciplinary team of experts, holds over 100 national patents, and has undertaken several major government-funded R&D projects. With innovation as our core driver, we focus on large-scale, high-precision, high-efficiency, intelligent, automated, and application-specific equipment. We continue to advance rubber and plastics machinery technology while delivering smarter, more efficient, and more specialized integrated solutions to customers worldwide, as we work to establish DEKUMA as a world-class brand in rubber and plastics technology.

技术领航，创新致远

公司现已组建覆盖多领域的专家团队，拥有百余项国家专利，承担多项政府重点研发攻关项目。以大型化、高精密、高效能、智能化、自动化、专用化为核心方向，以创新为核心驱动力，引领橡塑机械技术迭代升级，持续为国内外客户提供更智能、更高效、更专业的整体解决方案，致力将DEKUMA打造为橡塑科技领域的世界一流品牌！







DEKUMA

CORPORATE HONOURS
企业荣誉

29
行业经验
YEARS OF INDUSTRY EXPERIENCE

200+
荣誉&专利
HONOURS & PATENTS

50+
出口国家
EXPORT MARKETS

1500+
服务客户
CUSTOMERS SERVED

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

National Key "Little Giant" Enterprise
国家级专精特新重点"小巨人"企业

First Reliability-Certified Enterprise in China's Machinery Industry
首家中国机械行业可靠性认证企业



MILESTONES
发展历程

Technology Advances Rubber and Plastics. Innovation Elevates Chinese Manufacturing
科技助力橡塑行业发展，创新推动中国制造升级

1958
Cosmos Machinery Enterprises Limited was founded.
大同机械创立

1997
Successfully developed and launched its first rubber injection molding machine.
成功研发并推出首台橡胶注射成型机

2004
DEKUMA Dongguan bulit as a joint venture by HK Cosmos and DEKUMA GmbH.
与德国Dekuma Gmbh达成战略合作，创立德科摩

2011
R650 Solid Rubber Tyre Injection Vulcanized Molding Multi-station Production Line won the Hong Kong Awards for Industries.
"R650橡胶轮胎注射成型多工位联合机组"荣获香港工商业奖

2013
Recognised as a National High-Tech Enterprise.
被评为"高新技术企业"

2024
Became the first company in China's machinery industry to obtain reliability certification.
中国机械行业首家获得可靠性认证企业

2025
Recognised as a national-level specialised and innovative "Little Giant" enterprise.
被评为国家级专精特新"小巨人"企业

2026
Accredited as a Guangdong Provincial Engineering Technology Research Centre.
通过广东省工程技术研究中心认定

2026
Recognised as a national key "Little Giant" enterprise.
被评为国家级专精特新重点"小巨人"企业

DEKUMA

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

01



Power Industry
电力行业 P07-14

For insulators, surge arresters, cable accessories, switchgear and related products.

应用于绝缘子、避雷器、电缆附件、开关装置等

02



Automotive Industry
汽配行业 P15-20

For rubber anti-vibration components, rubber cylinder gaskets, seals, automotive window sealing, metal-boned oil seals, sealing strip angle jointing and related products.

应用于橡胶减震件、橡胶汽缸垫、密封件、玻璃包边、骨架油封、密封条接角等

INDUSTRY APPLICATIONS
行业应用领域

Trusted Reliability, Built by DEKUMA

可信可靠，德科摩造

05



Specialised Rubber Injection Molding Machines
专用橡胶机 P25-28

For the production of sealing rings and liquid silicone rubber products.

应用于密封圈、液态硅胶制品生产

03



Extra-large Rubber Injection Molding Machine
特大型橡胶机 P21-22

For large rubber composite pipes, heavy-duty rubber pads, vibration isolators and shock buffers

应用于大型橡胶复合管、橡胶垫块、设备减震缓冲等部件

04



Rubber Track Machinery
橡胶履带机 P23-24

For rubber tracks used on agricultural, construction and military vehicles.

应用于农用车履带、工程车履带、军用车履带等

06



Customer Solutions
客户方案 P29-30

Customised systems and solutions.

定制化系统及方案

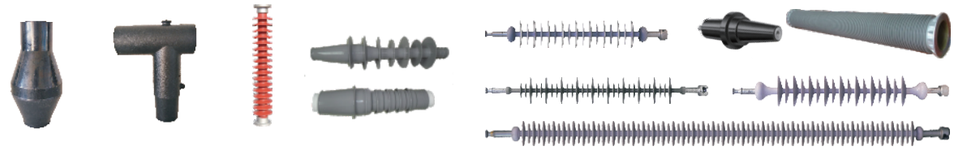
DEKUMA

POWER INDUSTRY
电力行业

RA SERIES / 系列



▲ DKM-RA650



Applications

Can utilize silicone rubber and Ethylene Propylene Diene Monomer (EPDM) to produce hollow core insulators, long rod insulators, surge arresters, cable accessories, and switchgear.

应用领域

适用于硅橡胶、三元乙丙橡胶为原料生产的空心套管绝缘子、棒式绝缘子、避雷器、电缆附件、开关装置。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

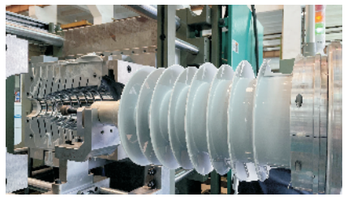
Features / 设备特点

- **Specialized Design:** Tailored for high-voltage insulator production.
- **Optimized Clamping:** The highly rigid integral platen minimizes flash on finished products; the clamping and injection systems provide excellent pressure retention, eliminating the need for pressure compensation during extended curing.
- **Precision Control:** Austrian B&R control system with 10.4" color LCD display; Non-contact electronic scale controls injection and clamping strokes with 0.05% accuracy.
- **Reliable Hydraulics:** American high-pressure pump and German hydraulic valves ensure reliability.
- **Superior Plasticizing:** German-engineered plasticizing and injection systems deliver strong screw conveying, excellent homogenization, and superior degassing.

- **专属定制：**机型专为高压绝缘子而设计。
- **锁模优效**：锁模系统整体模板刚性好，制品飞边小；锁模与注射系统保压效果突出，长时间硫化无需补压。
- **精准操控：**搭载奥地利B&R 控制系统，配备10.4" 液晶彩色显示屏；注射、锁模行程采用精度为0.05% 的无接触式电子尺控制。
- **液压可靠：**采用美国高压泵及德国液压阀，保障液压系统的稳定可靠。
- **塑化优异：**塑化与注射系统经德国技术顾问参与优化，螺杆输送能力强劲，均化效果合理，排气性能优异。

Production / 生产现场





Machine Specifications / 设备参数

ITEM 项目		RIMM for Rod Insulator / 绝缘子设备					RIMM for Hollow Insulator / 套管设备				
		DKM-RA300	DKM-RA500	DKM-RA900	DKM-RA1000B DKM-RA1000C	DKM-RA1500	DKM-RA650	DKM-RA1000	DKM-RA1600	DKM-RA1800	DKM-RA2400
Injection Pressure 注射压力	bar	1120/1350	1200/1480	1200	1260	1420	1200	1200	1200	1260	1200
Injection Volume 注射容积	CC	5000/ 4000	13000/ 10000	18000	18000	40000	18000	25000	25000x2	25000x2	50000x2
Clamping Force 锁模力	kN	3000	5000	9000	1000	15000	6500	10000	16000	18000	24000
Mold Opening Stroke 开模行程	mm	500	500	500	500	700	700	800	1000	1000	1200
Distance Between Heating Plates 热板间距	mm	710	780	780	880	1050	1200	1160	1500	1600	2000
Min. Mold Thickness 最小模厚	mm	210	280	280 (including cold runner) (含冷流道)	380 (including cold runner) (含冷流道)	350	500	360	500	600	800
Heating Plate Dimension 热板尺寸	mm	600×1000	630×1600	900×2400	800×2600	800×3700	800×1600	1000×1800	1000×2600	1000×3000	1500×3000
System Pressure 系统压力	bar	200	220	220	200	210	210	200	210	210	210
Machine Weight 机器重量	Ton	10	19	27	36	65	24	45	95	100	160
Machine Dim.(L x W x H) 外形尺寸（长 x 宽 x 高）	m	4.3x1.9x3.3	5.65x3x3.8	6.5x5.9x3.2	6.7x6.1x3.3	8.7x8x4	5.7x2.8x3.95	6.9x5.2x4.5	8.1x7.5x5.1	8.1x7.5x5.1	8.6x9x5.6
Hydraulic Pump Motor Power 油泵电机功率	kW	15	22	34	34	64	31	41	90	98	140
Heating Plate Power 热板加热功率	kW	25	36	110	120	133	60	80	120	120	180
Total Power 总装机功率	kW	45	67	159	167	212	110	150	220	220	320

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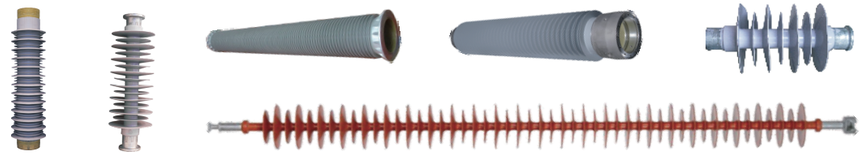
DEKUMA

POWER INDUSTRY
电力行业

RT SERIES / 系列



▲ DKM-RT550



Applications

Suitable for producing long-rod insulators, hollow core bushings, arresters, cable accessories and switchgear using HTV silicone rubber.

应用领域

适用于固态硅橡胶为原料生产的高压棒式绝缘子、空心套管、避雷器、电缆附件、开关装置。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Specialized Design:** Machines are specially designed for high-voltage composite insulators.
- **User-friendly:** Top-opening mold structure significantly reduces operating height, making operation more convenient and comfortable.
- **Reliable Clamping:** The design of the clamping unit is reasonable and secure, adopting Block-type clamping style to keep the gravity on the clamping center, which ensures the machine works stably. When the mold reaches its opening limit, the block closes automatically and immediately, which ensures the effective protection of the machine's mechanical, hydraulic and electrical parts.
- **Superior Plasticizing:** The designing and optimizing of the plasticization system and injection system are led by German engineers, enabling the screw with a better delivering capacity, more reasonable homogenization ability and better venting performance.
- **Energy-Efficient Design:** German-imported double-layer high temperature resistance thermal insulation plates reduce energy consumption by 40%, making the machine more reliable and energy-saving.
- **User-Friendly Control:** Austrian B&R control system with 10.4" TFT color display offers simple, intuitive, and user-friendly operation.

- **专属定制：** 专为高压绝缘子设计的机型。
- **人机友好：** 采用上开合模式结构，大幅降低操作高度，操作方便舒适。
- **锁模稳靠：** 锁模机构设计安全合理，采用卡块式锁模，重心始终处于锁模结构几何中心，保障设备运行平稳可靠；开模到位时锁卡自动防护，实现机械、液压、电气3层保护；配备液压调模厚功能，更换不同模厚模具时精准快捷。
- **塑化优异：** 塑化与注射系统经德国技术顾问参与优化，螺杆输送能力强劲、均化效果合理、排气性能良好。
- **节能高效：** 配备德国进口耐高温双层隔热板，可减少 40% 能耗损失，运行更可靠节能。
- **智能操控：** 搭载奥地利 B&R 控制系统，配备 10.4 寸液晶彩色显示屏，操作简易更人性化。

Machine Specifications / 设备参数

ITEM 项目		DKM-RT550	DKM-RT1100	DKM-RT1200	DKM-RT1500	DKM-RT1800
Injection Pressure 注射压力	bar	1200	1520	1200	1200	1200
Injection Volume 注射容积	CC	13000	32000	40000	40000/50000	50000
Screw Dia. 螺杆直径	mm	65	90	90	90	120
Clamping Force 锁模力	kN	5500	11000	12000	15000	18000
Mold Opening Stroke 开模行程	mm	700	1000	1600	700	1000
Distance Between Heating Plates 热板间距	mm	940	1350	2200	1050	1700
Min. Mold Thickness 最小模厚	mm	240	350	600	350	700
Heating Plate Dimension 热板尺寸	mm	1700 x 630	2600 x 800	2000 x 1500	3600 x 830	3000 x 1000
System Pressure 系统压力	bar	225	225	210	210	210
Machine Weight 机器重量	Ton	19	38	70	72	82
Machine Dim.(L x W x H) 外形尺寸(长 x 宽 x 高)	m	5.55 x 2.3 x 2.5	7.5 x 3.2 x 3.1	11.8 x 6.3 x 7.4	8.9 x 7.6 x 4.6	8.9 x 3.2 x 4.8
Hydraulic Pump Motor Power 油泵电机功率	kW	23.6+4	42.4+ 4	37+ 4	37+ 4	74+8
Heating Plate Power 热板加热功率	kW	36	93	120	120	240
Total Power 总装机功率	kW	87	133	176	210	350

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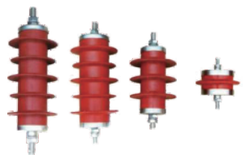
POWER INDUSTRY
电力行业

RI SERIES / 系列



▲ DKM-RI300







Applications

General insulators and rubber products.

应用领域

普通绝缘子与橡胶制品。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Practical Versatility:** Economical and practical, enables to be operated in 3-sides, suitable for long products, such as insulators, and arresters.
- **Convenient Feeding:** Direct feeding by hydraulic cylinder, featuring a simple structure and easy operation.
- **Reliable Hydraulics:** Clamping cylinder with dual-seal reduces likelihood of oil leakage. German hydraulic valves ensure high precision and long product lifespan.
- **User-Friendly:** Siemens control system with a 5.7" display offers a user-friendly interface.
- **Flexible Configuration:** Double station option.

- **实用适配：**经济实用型设备，支持三面操作，特别适合绝缘子、避雷器等长制品生产。
- **送料简捷：**采用油缸直接注压式送料，结构简单，易于操作。
- **液压可靠：**合模油缸双重密封，不易漏油；全机采用德国液压阀，精度高、寿命长。
- **操控友好：**搭载西门子控制系统，配备 5.7" 显示屏，人机界面友好。
- **配置灵活：**可选配双工位，适配不同生产需求。

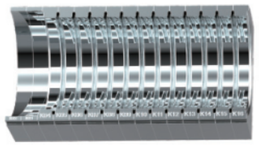
Machine Specifications / 设备参数

ITEM 项目		DKM-RI200	DKM-RI200FD	DKM-RI300	DKM-RI300F
Injection Pressure 注射压力	bar	800	800	800	800
Injection Volume 注射容积	CC	2000	2000 x 2	4000	3000 x 2
Clamping Force 锁模力	kN	2000	2000	3000	3000
Mold Opening Stroke 开模行程	mm	480	480	350	350
Distance Between Heating Plates 热板间距	mm	600	600	850	850
Min. Mold Thickness 最小模厚	mm	120	120	200	200
Clear Distance Between Columns 拉杆净距	mm	590 x 270	590 x 270	710 x 660	710 x 660
Heating Plate Dimension 热板尺寸	mm	500 x 800	500 x 800	610 x990	610 x 990
System Pressure 系统压力	bar	225	225	250	250
Machine Weight 机器重量	Ton	4.8	6.5	7	12
Hydraulic Pump Motor Power 油泵电机功率	kW	11	11	11	11
Heating Plate Power 热板加热功率	kW	14	28	24	48
Total Power 总装机功率	kW	25	39	35	59

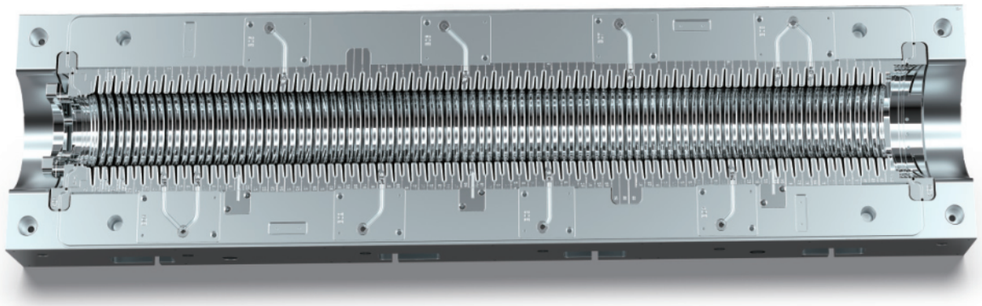
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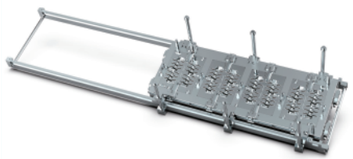
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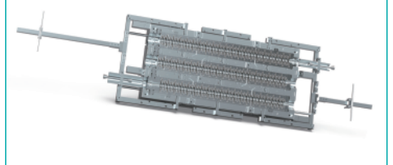
COMPOSITE INSULATOR MOLD SOLUTIONS
电力绝缘子模具方案













TRUSTED RELIABILITY BUILT BY DEKUMA 可信可靠 德科摩造

Hollow Insulator Solution Table / 空心套管绝缘子方案表

Machine Model 机型	DKM-RA650		DKM-RA1600			DKM-RA2400	
Clamping Force (kN) 锁模力	650		1600			2400	
Insulator (KV) 绝缘子	66	110	110	220	330	220/330	550
Molding Step 成型次数	1	1	1	1	2	1	2
Mold Cavity 模腔数	1	1	1	1	1	1	1

*We reserve the right to change any design and specification without notice. 如有参数变更，恕不另行通知。

Rod Insulator Solution Table / 棒式绝缘子方案表

Machine Model 机型	DKM-RA300			DKM-RA560 / RT560						DKM-RA1200 / RT1200A			
Clamping Force (kN) 锁模力	300			500						1200			
Insulator (KV) 绝缘子	11	25/23	66	11	25/23	66	132	220/230	400	500	220/330	400	500	1000
Molding Step 成型次数	1	1	1	1	1	1	1	2	3	4	1	2	2	4
Mold Cavity 模腔数	16	6	2	16	16/8	2	2	2	2	2	2	2	2	2

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DEKUMA

AUTO PARTS INDUSTRY
汽配行业

RV SERIES / 系列



▲ DKM-RV300



Applications

DKM-RV series are suitable for Natural Rubber(NR), Nitrile Butadiene Rubber(NBR), Ethylene Propylene Diene Monomer(EPDM), Isobutylene Isoprene Rubber, etc. Using injection molding technology, they produce a wide range of rubber products that are widely used in the automotive industry, power industry, and civilian fields, such as rubber shock absorbers, cylinder cushions, sealing parts, cable connectors, pipe fittings, etc.

应用领域

DKM-RV系列橡胶注射机适用于天然橡胶(NR)，丁腈橡胶(NBR)、三元乙丙橡胶(EPDM)、丁基橡胶等原料，经过注射模具成型技术而制造的橡胶制品，广泛应用于汽车工业、电力工业、民用等领域，如用于加工各种橡胶减震器、橡胶气缸垫、密封件、电缆接头，管接头等。

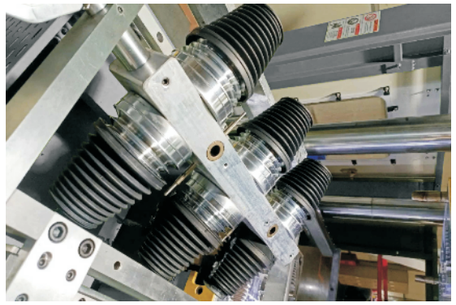
可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Superior Sealing:** Double-seal mold clamping cylinder prevents oil leakage; American high-pressure pump and German hydraulic valves ensure a stable, dependable hydraulic system.
- **Patented Injection System:** Unique design (Patent No.: 202010765258.6) guarantees leak-free high-pressure injection.
- **Advanced Technology:** Optimized by German experts, the system offers exceptional screw adaptability for a wide range of rubber compounds, including ultra-high hardness materials.

- **液压可靠：**合模油缸采用双重密封设计，不易漏油；搭载美国高压泵及德国液压阀，保证液压系统的稳定可靠。
- **专利防漏：**注射系统采用特殊设计（专利号：202010765258.6），确保高压注射不漏胶。
- **塑化优配：**塑化系统经德国技术专家优化设计，螺杆适配性卓越，可应对各类胶料，对超高硬度胶料有出色表现。

Production / 生产现场



Machine Specifications / 设备参数

ITEM 项目		DKM-RV50	DKM-RV100	DKM-RV200	DKM-RV300	DKM-RV400	DKM-RV500	DKM-RV1000
Injection Pressure 注射压力	bar	2500	2500	1750	1750	1750	1750	1750
Injection Volume 注射容积	CC	180	180	2000	3000	4000	5000	6000
Clamping Force 锁模力	kN	500	1000	2000	3000	4000	5000	10000
Mold Opening Stroke 开模行程	mm	300	300	480	570	600	760	700
Distance Between Heating Plates 热板间距	mm	350	360	550	640	700	860	1050
Min. Mold Thickness 最小模厚	mm	50	60	70	70	100	100	350
Heating Plate Dimension 热板尺寸	mm	450 x 450	500 x 500	500 x 550	650 x 650	700 x 700	800 x 800	1300 x 1300
Mold Sliding Stroke 移模行程	mm	/	/	600	650	680	800	1200
System Pressure 系统压力	bar	210	210	225	200	210	220	210
Machine Weight 机器重量	Ton	5	6	6.5	8.5	10	14.5	48
Machine Dim.(L x W x H) 外形尺寸（长 x 宽 x 高）	m	1.7x1.6x3.1	1.9x1.6x3.3	3.7x2.2x3.7	3.9x2.4x4.1	3.7x2.45x4.9	3.7x3x5.16	4.9x4.1x5.9
Hydraulic Pump Motor Power 油泵电机功率	kW	7.5	7.5	11	15	18.5	18.5	30
Heating Plate Power 热板加热功率	kW	8	12	14	16	20	20	80
Total Power 总装机功率	kW	19	23	29	35	42	42	115

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DEKUMA

AUTO PARTS INDUSTRY
汽配行业

RV-B SERIES / 系列



▲ DKM-RV250B (TPV)



Applications

Suitable for processing TPV, TPE, flexible modified PVC and other injection molding materials widely used in the automotive industry. Designed for one-piece TPV automotive window sealing with precise injection control and large overall dimensions.

应用领域

适用于 TPV , TPE ,改性软 PVC 等为原料，经过注射成型而制造的制品，广泛应用于汽车工业。特别适用于注射量精准，外形尺寸大的车窗TPV整体玻璃包边。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Easy Material Replacement:** Equipped with advanced first-in first-out vertical injection unit that allows for quicker changing of injection chamber material.
- **Easy Operation:** Utilizes a fixed lower platen and a downward moving upper platen for clamping. The four-column clamping structure ensures uniform force distribution, while the low working platform makes operation more convenient.
- **High Precision:** Adopts servo motor pump hydraulic control system to ensure precise injection volume and high injection repetition accuracy.
- **High Energy Efficiency, Low Operating Costs and Noise**: The output of the servo system is completely tailored to the required pressure and flow rate of the machine, with power consumption amounting to only 60% of that required for proportional pressure and flow control.

- **换料便捷：**采用先进先出立式射台，储料腔内新胶料更新速度快。
- **操作便捷：**下工作台固定不动，锁模由上模板向下运动，四柱锁模受力均匀，操作平台高度低。
- **精度卓越：**搭载伺服电机泵液压控制系统，注射量精准，重复注射精度高。
- **节能低噪：**按需输出压力与流量，耗电量仅为同等比例阀控制能耗的 60%，运行成本低、噪音小。

Machine Specifications / 设备参数

ITEM 项目			DKM-RV160B	DKM-RV250B	DKM-RV400B
射胶系统 Injection System	Injection Pressure 射出压力	bar	1840	1840	1840
	Theoretical Injection Volume 理论射出容量	CC	546	546	546 / 800
锁模系统 Clamping System	Clamping Force 锁模力	kN	160	250	400
	Platen Dimension 模板尺寸	mm	1000×900	1100×1000	1250×1100
	Min. Mold Thickness 最小模厚	mm	300	400	400
	Mold Opening Stroke 开模行程	mm	600	600	600
	Max. Mold Opening Distance 最大开模距离	mm	900	1000	1000
滑模系统 Mold Sliding System	Mold Sliding Stroke 滑模行程	mm	900	1000	1000
	Max. Hydraulic Pressure 最大液压压力	bar	210	210	210
油压电力系统 hydraulic and Electric System	Pump Power 油泵电机功率	kW	37	37	37
	Electric Heating Capacity 电热容量	kW	13	13.22	13.22
	Machine Weight 机器重量	Ton	10	13	17

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DEKUMA

AUTO PARTS INDUSTRY
汽配行业

RC SERIES / 系列



▲ DKM-RC40



Applications

Precision rubber parts, sealing strips, sealing parts, skeleton oil seals and TPU parts.

应用领域

精密橡胶件，密封条接角，密封件，骨架油封，TPU制品。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Independent Plasticizing and Injection:** Utilizes a design that fully separates plasticization from injection.Precise injection volume, nozzle can be lifted during vulcanization.
- **C-Frame Structure:** The"C-frame"structure provides convenient access on three sides.
- **Flexible Configuration:** Optional configurations include a dual-station setup, a mould transfer function, and a high-precision servo-valve injection control system.

- **注塑分离：**采用塑化与注射完全分离的注射系统，注射量精准，注射嘴可在硫化时提起。
- **C 型架构：**采用 "C" 型框架式结构，支持三面便捷操作。
- **选配灵活：**可选配双工位、模压转移功能、高精度伺服阀控制注射系统。

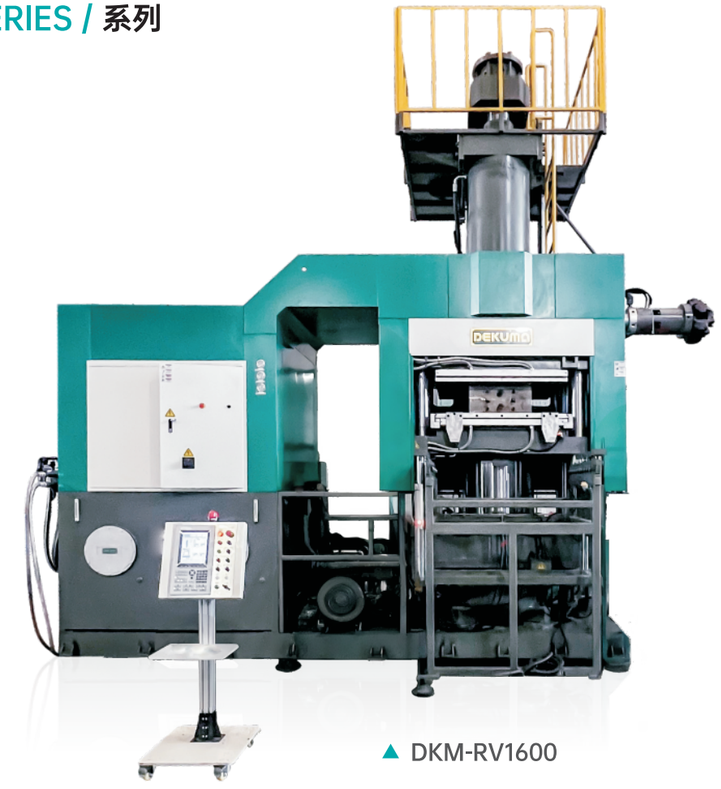
Machine Specifications / 设备参数

ITEM 项目		DKM-RC15	DKM-RC25	DKM-RC25D	DKM-RC40	DKM-RC60	DKM-RC80	DKM-RC120	DKM-RC250
Injection Pressure (Rubber) 注射压力（橡胶）	bar	2000	2000	2000	2000	2000	2000	2000	/
Injection Volume (Rubber) 注射容积（橡胶）	CC	70/98/140 /190/250	70/98/140 /190/250	70/98/140 /190/250	70/98/140 /190/250	70/98/140 /190/250	140/250/380	140/250/ /380/500	/
Injection Pressure (TPE) 注射压力（TPE）	bar	2000/1360 /1000	2000/1360 /1000	2000/1360 /1000	2000/1360 /1000	2000/1360 /1000	/	1360	1360
Injection Volume (TPE) 注射容积（TPE）	CC	25/40 /70/125	25/40 /70/125	25/40 /70/125	25/40 /70/125	25/40 /70/125	/	25/40 /70/125	400/546/800
Clamping Force 锁模力	kN	150	250	250	400	600	800	1200	2500
Mold Opening Stroke 开模行程	mm	465	500	500	500	500	500	500	600
Distance Between Heating Plates 热板间距	mm	500	550	550	580	590	650	820	1100
Min. Mold Thickness 最小模厚	mm	35	50	50	80	90	160	320	500
Heating Plate Dimension 热板尺寸	mm	350 x 550	450 x 550	400x300	500x450	700x450	500 x 700	700x600	910 x 850
System Pressure 系统压力	bar	250	250	250	250	250	250	250	250
Machine Weight 机器重量	Ton	2.2	2.5	4	4	4.5	6	8	31
Machine Dim. (L x W x H) 外形尺寸（长 x 宽 x 高）	m	1.5 x 1.2 x 3.3	1.8 x 1.3 x 3.4	2.8 x 2 x 3.35	2.3 x 1.2x 3.4	2.3 x 1.2 x 3.4	2.5 x 1.3 x 3.4	2.9 x 1.4 x 3.7	3.5 x 4 x 4.5
Hydraulic Pump Motor Power 油泵电机功率	kW	11	11	11	11	11	14.1	14.1	37.7
Heating Plate Power (Rubber) 热板加热功率 (橡胶)	kW	7	7	10	9	10	7.4	19.6	/
Total Power(Rubber/TPE) 总装机功率（橡胶/TPE）	kW	21/20	21/20	23	23/22	24/23	30	33.7/32.7	52.5

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EXTRA-LARGE RUBBER INJECTION MOLDING MACHINE
特大型橡胶机

RV SERIES / 系列



▲ DKM-RV1600



Applications

Featuring a large injection volume and high clamping force, this ultra-large rubber injection molding machine is designed to produce large rubber components used in rail transit, marine, dam engineering, and mining applications. Typical products include rubber pads, rubber composite pipes, vibration-damping components, and shock buffers, all engineered for highly abrasive and high-impact operating environments.

应用领域

依托大注射量、高锁模力的大型橡胶注射机型，生产轨道交通系统、船舶、堤坝、矿山机械等行业配套的大型橡胶制品，如橡胶垫块、橡胶复合管、设备减震缓冲部件，适配高磨损、强冲击的工况需求。

Features / 设备特点

- **Large Injection Capacity:** Available configurations range from 38,000 CC to four injection units, each with a capacity of 140,000 CC.
- **Fast Response, High Precision:** A newly developed shut-off mechanism responds rapidly, enabling fast shut-off of the rubber compound flow and precise, repeatable injection.
- **High Plasticising Capacity:** Powered by a high-torque hydraulic motor, the large-diameter plasticising screw efficiently processes large volumes of rubber compound.
- **Vertical Injection:** Vertical injection and a short injection nozzle minimize injection pressure loss.
- **Precise Temperature Control:** An optimized oil temperature control system provides precise temperature regulation for the plasticizing unit, injection chamber, and cold runner.

- **大注射量：** 整机配备的射台注射量由38000CC到4×140000CC。
- **灵敏高精度：** 采用了全新的梭轴结构，其质量大还反应灵敏，封胶迅速，注射精度高。
- **塑化强劲：** 塑化螺杆大，液压马达扭矩大，塑化能力强。
- **立式注射：** 采用立式注射，注射喷嘴体短，注射压力损失少。
- **控温精准：** 优化温油系统设计，塑化温度、储料筒温度、冷流道温度控制精准。

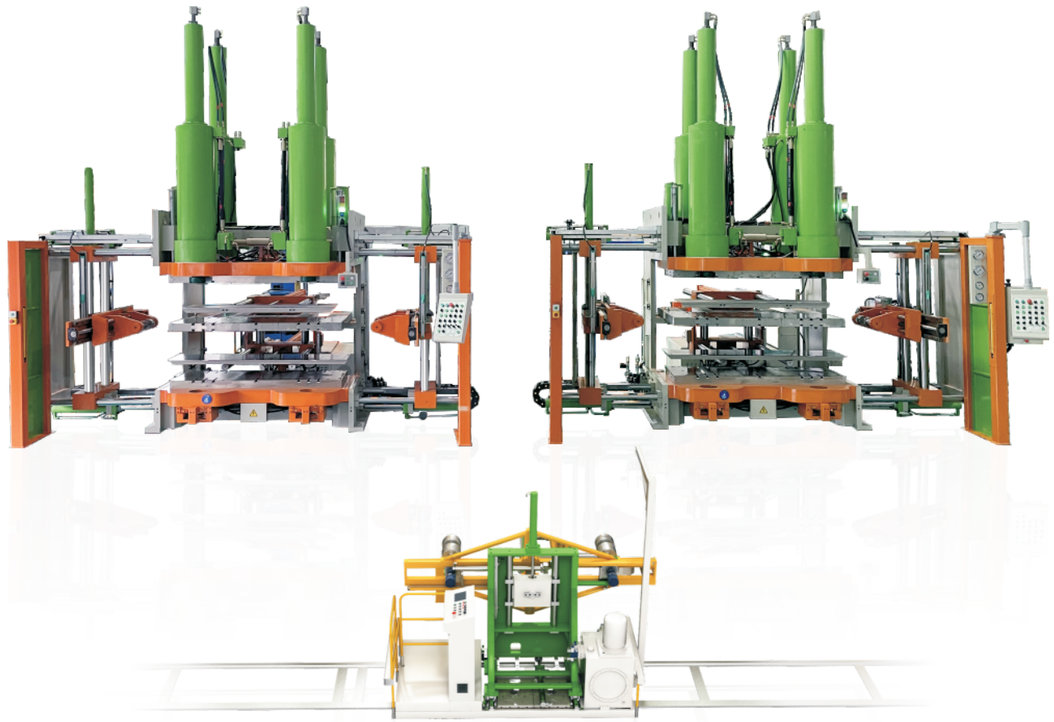
Machine Specifications / 设备参数

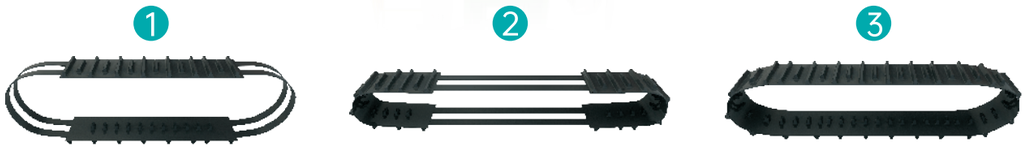
ITEM 项目		DKM-RV1200	DKM-RV1600	DKM-RV3200	DKM-RV10000
Injection Pressure 注射压力	bar	2000	2000	2000	2200
Injection Volume 注射容积	CC	38000	100000 / 140000	220000	560000
Clamping Force 锁模力	kN	12000	16000	32000	100000
Mold Opening Stroke 开模行程	mm	700	1000	1200	700
Distance Between Heating Plates 热板间距	mm	850	1200	1500	1200
Min. Mold Thickness 最小模厚	mm	150	200	300	500
Heating Plate Dimension 热板尺寸	mm	1500 x 1300	1800 x 1600	2000 x 4000	5000 x 5000
Mold Sliding Stroke 移模行程	mm	1300	1800	2000	5000
System Pressure 系统压力	bar	220	220	210	220
Machine Weight 机器重量	Ton	49	95	350	800
Machine Dim.(L x W x H) 外形尺寸（长 x 宽 x 高）	m	7.1x3.5x6.5	6.9x4x9.3	10.8x9.4x6.9	11.1x13x14
Hydraulic Pump Motor Power 油泵电机功率	kW	55	75	271	442.5
Heating Plate Power 热板加热功率	kW	80	120	Steam heating 蒸汽加热	Steam heating 蒸汽加热
Total Power 总装机功率	kW	150	220	329	461

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DEKUMA

RUBBER TRACK PRODUCTION MACHINE
橡胶履带机





▲ DKM-RC480

Applications

Suitable for producing tracks for agriculture, construction, military and snowmobile applications.

应用领域

适用于农用车履带、工程车履带、军用车履带、雪地车三角履带等。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA











Features / 设备特点

- **High Automation:** Machines handle heavy tasks, significantly reducing labor intensity. Reduces manual workload by approximately 50% compared to traditional machines.
- **Reliable Quality:** Automation reduces human errors, increasing rubber track lifespan by 30%-50% through reasonable integration of mold clamping unit and constant steel belt tension device.
- **Energy-efficient:** Clever curing shutdown reduces power consumption by automatically stopping the main motor during long rubber vulcanizing processes.
- **Smart Monitoring:** Trace production parameters for quality issues, helping to continuously improve the production process.
- **Easy Maintenance:** With years of continuous improvements, the functions of the equipment have become more refined and powerful, maintenance is now simpler and more convenient.

- **高度自动化：**繁重的工作由机器自动完成，大幅降低工人劳动强度。相比传统机器可以节省约 50% 人工。
- **质量可靠：**高度自动化减少人工误差导致的质量不稳定，锁模硫化单元和自动张紧钢带装置合理结合，生产的橡胶履带寿命提高 30%~50%。
- **节能环保：**巧妙设计的硫化停机和良好的保压功能，在橡胶长时间硫化过程中主电机自动停止运转，减少电力耗费。
- **智能监控：**可溯源生产工艺参数，有助于后期不断完善产品生产工艺。
- **维护便捷：**产品持续畅销多年，经过多年的不断迭代，设备功能设计更加完善与合理，维护更简单便捷。

Machine Specifications / 设备参数

ITEM 项目		DKM-RC200	DKM-RC280	DKM-RC360	DKM-RC480	DKM-RC520	DKM-RC650	DKM-RC900
Clamping Force 锁模力	kN	200	280	360	480	520	650	900
Heating Plate Dimension 热板尺寸	mm	1200 x 650	1550 x 640	1700 x 640	1960 x 750	2050 x 750	2050 x 1050	2500 x 1050
Min. Mold Thickness 最小模厚	mm	100	150	120	150	120	180	180
Max. Width of Track 履带最大宽度	mm	150~500 (Two tracks per cycle for widths below 230 mm) (小于230时做一出二)	450	500	550	600	915	915
Range of Track 硫化履带规格（长度）	mm	2500-3800	3780-4860	4140-5350	4800-6400	5040-6800	6400-11300	8000-12000
System Pressure 系统压力	bar	210	210	210	210	210	210	210

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DEKUMA

RUBBER INJECTION MACHINE FOR SEALING RING
密封圈专用橡胶机

RH SERIES / 系列





Applications

Suitable for sealing rings made of natural rubber, nitrile rubber, or fluoro rubber.

应用领域

适用于生产天然橡胶，丁腈橡胶或氟橡胶的密封圈。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Specialized Design:** A model specially designed for small rubber seals.
- **Automated Production:** Equipped with automatic brushes for fetching products and cleaning molds. High production efficiency.
- **Energy-Efficient Servo System:** Servo oil pump motor of hydraulic system, high control precision and energy saving.
- **Efficient Injection**: FIFO injection system to prevent over-vulcanization of rubber.Ultra-high pressure injection system to ensure the injection is completed in a short time.
- **Optimized Material Use:** Use of cold runner mold technology to reduce the waste of rubber in the runner and improve its imbalance; The injection system is embedded in the template to minimize the injection path.

- **专属机型：**专为小型橡胶密封件设计。
- **自动生产：**配置自动毛刷，可完成取件与模具清洁，实现全自动化生产。
- **伺服节能：**采用伺服油泵电机液压系统，控制精度高，有效降低能耗。
- **注料高效：**先进先出注射系统确保无老化胶，超高压设计可在最短时间内完成注射。
- **省料优化：**应用橡胶冷流道技术，减少流道胶料浪费、改善流道不平衡；注射系统嵌入模板，最大限度缩短注射流程。

Machine Specifications / 设备参数

ITEM 项目		DKM-RH100	DKM-RH200	DKM-RH300	DKM-RH450
Injection Pressure 注射压力	bar	2100	2500	2100	2000
Injection Volume 注射容积	CC	180	500	1000	2000
Screw Diameter 螺杆直径	mm	25	25	32	40
Clamping Force 锁模力	kN	1000	2000	3000	4500
Mold Open Stroke 开模行程	mm	450	450	450	500
Heating Plate Distance (With CRB) 热板间距（带冷流道）	mm	510	510	550	1080
Min. Mold Thickness (With CRB) 最少模厚（带冷流道）	mm	60	60	100	240
Tie-Bar Distance 拉杆净距	mm	530×470	580×580	580×580	800×750
Heating Platen Dimensions (H × D) 热板尺寸	mm	500×500	550×550	550×550	750×800
System Pressure 系统压力	bar	210	210	250	250
Machine Weight 机器重量	Ton	6	7.5	11	14.2
Machine Dim. (LxWxH) 外形尺寸(长X宽X高)	m	4.0×1.2×3.9	4.8×1.7×4.3	5.7×1.7×4.3	6.39×1.96×2.13
Hydraulic Pump Power 油泵电机功率	kW	11	11	16	37
Heating Plate Power 热板电热功率	kW	12	16	16	24
Total Power 总装机功率	kW	29	33	40	66.5

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DEKUMA

LIQUID SILICONE RUBBER INJECTION MOLDING MACHINE
液态硅橡胶注射成型机

LSR SERIES / 系列





Applications

Electronic components, insulators, arresters, cable accessories, sealing parts, infant care products, food containers, kitchenware, sports industry, etc.

应用领域

电子配件、电力绝缘子、避雷器、电缆附件、密封件、婴儿用品、食品器具、厨房用品及体育用品等。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

Features / 设备特点

- **Intelligent Control System:** S98 smart B&R control system and world-famous brands' electrical components, effectively guarantee small fault of the electrical parts; 10.4-inch color display, user-friendly machine interface.
- **Precision Metering:** The patented synchronized dosing device can be continuously metered and is able to accomodate the varying rubber injection volume requirements of different products.
- **Uniform Mixing:** Imported high-quality static mixer to ensure an even mixture of material A and B.

- **智能电控：**搭载贝加莱S98 精明控制系统，全系国际名牌电气元件，电气故障少；配备10.4 寸彩屏，人机交互简洁友好。
- **精准计量：**专利同步计量装置支持连续供料，适配各类产品的不同注胶量需求。
- **均匀混料：**进口高端静态混合器，实现A、B 双组份胶料充分均质混合。

Machine Specifications / 设备参数

ITEM 项目		LSR-V50	LSR-V100	LSR-V200	LSR-H100	LSR-H160	LSR-H250	LSR-H400
Screw Diameter 螺杆直径	mm	/	/	/	/	/	/	/
Injection Pressure 注射压力	bar	120	120	120	/	/	/	/
Theoretical Injection Volume 理论注射容积	CC	125	200	320	/	/	/	/
Injection Rate 注射速率	cc/sec	166	240	240	/	/	/	/
Injection Stroke 射胶行程	mm	/	/	/	/	/	/	/
Clamping Force 锁模力	kN	50	100	200	100	160	250	400
Distance Between Heating Plates 热板间距	mm	500	600	800	830	1600	1900	2600
Clamping Stroke 锁模行程	mm	300	480	600	480	1200	1500	2000
Distance Between Tie Bars 四柱间距	mm	440 x 300	705 x 500	920 x 560	820 x 820	/	/	/
Mold Space 容模空间	mm	400 x 400	600 x 600	800 x 800	850 x 700	800 x 1600	1250 x 2000	1500 x 3000
Min. Mold Thickness 最小模厚	mm	200	200	200	220	400	400	600
Ejector Force 顶针力	kN	/	/	/	5	11	15	15
Ejector Stroke 顶针行程	mm	/	/	/	250	400	400	500
Major Motor Power 主马达功率	kW	11	15	22	7.5	15	15	22
System Pressure 系统压力	bar	20	20	20	20	20	20	20
Heating Power 电热功率	kW	6	14	24	/	/	/	/
Machine Weight 机器重量	Ton	4	6	10	/	/	/	/

*We reserve the right to change any design and specification without notice. 如有参数变更，恕不另行通知。

DEKUMA

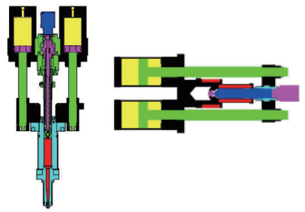
SOLUTIONS FOR CUSTOMERS
客户方案

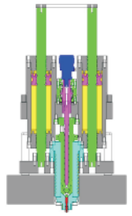
Plasticization & Injection System / 塑化 & 注射系统

- The plasticizing and injection unit are optimized by German technical consultants.
- Screw speeds down before plasticizing over, injection piston is easily disassembled.
- 3 separate injection zones with adjustable pressure and speed, 3 dwell zones with adjustable pressure and speed.

- 由德国技术顾问参与优化的整个塑化、注射系统。
- 塑化结束前，螺杆减速；可快速拆卸注射注塞。
- 三个独立可调压力、速度的注射区域；三个可独立调节压和速度的保压区域。

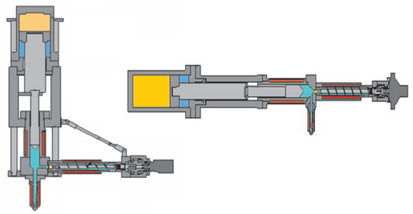
先进先出 / FIFO





Vertical configuration
立式结构
Short nozzle design minimizes pressure loss.
喷嘴体短，压力损失小

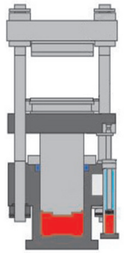
先进后出 / FILO



Clamping System / 锁模系统

- Finite element stress analysis for all key load-bearing components to ensure max. rigidity .
- 3 separate clamping zones with adjustable pressure and speed; adjustable low pressure and high pressure protection.
- Multi-degassing motion setting, with precise clamping stroke.

- 主要受力零件采用有限元分析，确保零件刚性大。
- 三个独立可调压力、速度的合模区域；可调节压力的低压保护和高压保护设置。
- 多次排气动作设置，行程精确。



Electric and Hydraulic Control System / 电气&液压控制系统

- Specialized industrial computer and software control; all electric and electronic components are from well-known international brands.
- Equipped with German-made proportional flow and pressure control valves and directional control valves, the machine operates smoothly, with no leaks or malfunctions, ensuring a long service life and no external leakage.

- 采用专业工控电脑和专用软件控制，电器元件全部采用世界名牌产品。
- 采用德国原产比例流量、压力控制阀，方向阀，机器动作平稳，无渗漏，无误动作，使用寿命长，无外渗漏。



Temperature Control System / 温度控制系统

- The barrel temperature for the plasticizing cylinder and for the injection cylinder are controlled at different temperatures using separate oil-circulating heating systems, ensuring precise temperature control.

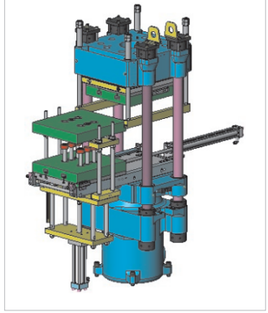
- 塑化料筒温度与注射料筒温度分别采用各自独立的温油导热系统进行不同温度控制，能确保温度控制精确。

可信可靠 德科摩造 TRUSTED RELIABILITY BUILT BY DEKUMA

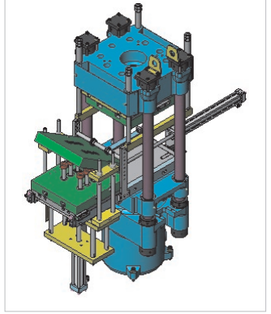
SOLUTIONS FOR CUSTOMERS
客户方案

- The machine adopts modular design. All kinds of options can be selected per the customer's different products and different process needs, which guarantees max. production efficiency.

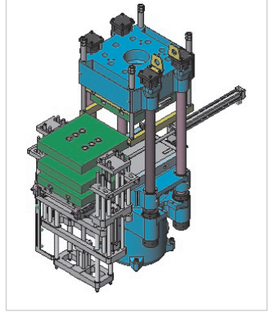
- 设备采用模块化设计，可根据客户不同制品、不同生产工艺需求选配各种设备装置，保障生产效率最大化。



Sliding & Single-layer Ejecting
移模单层顶出



Sliding & Single-layer Ejecting & overturn
移模单层顶出翻模



Sliding & Double-layer Ejecting
移模双层顶出

Device name 装置名称	RV	RA	RC	RI
Upper Mechanical Mold Lifting Device 机械吊模装置	●	●	●	●
Upper Hydraulic Mold Lifting Device 液压吊模装置	●	●	●	●
Lower Mechanical Mold Holding Device 机械托模装置	●	●	●	●
Lower Hydraulic Mold Supporting Device 液压托模装置	●	●	●	●
Mid Mold Sliding Device 中模移出装置	●	●	/	●
Lower Mold Sliding Device 下模移出装置	●	●	●	●
Single-layer Ejecting Device 单层顶出装置	●	●	●	●
Double-layer Ejecting Device 双层顶出装置	●	●	/	●
Single-layer Upper Ejecting Device 单层上顶出装置	●	●	●	●
Mold Tilting Device 翻模装置	●	●	/	●
Silicon Rubber Feeding Device 硅胶送料装置	●	●	●	/
Cold Runner Device 冷流道装置	●	●	●	/
Cold Runner With Heat Transfer Oil Device 冷流道用温油控制装置	●	●	●	/
All Round Cover 全封档门	●	●	●	/
Vacuum Pump 真空泵	●	●	●	●
CE Safety Standards CE认证	●	●	●	●

*Either non-standard or specially designed rubber injection moulding machines can be provided per the customer's product requirements.
*可根据客户制品要求提供非标或专用橡胶成型设备。