

RPM[®]Mach

Rubber Plastic Machines



RPM Kauçuk Plastik Makine San. Tic. Ltd. Şti., was established in Bursa in 2005, one of Türkiye's largest automotive and industrial city, approximately with 28 years experiences in Rubber Processing Technologies.

RPMMach Engineering has rapidly increased its Global customer portfolio and reached a position that can be followed in a short time, by applying continuous development and up-to-date technologies in its Rubber Process Machinery designs, which it makes by prioritizing work and employee safety.

Standards such as **2006/42/EC**, **2014/30/EU**, **2014/35/EU**, **DIN EN 1417:2015-03**, which we refer to in the design and manufacture of our rubber process machines, are globally accepted standards.

Although we are designing and manufacturing machine equipment specific to customer request and process, some of the standard machines we produce are as follows;

- Rubber Kneader Mixer
- Two Rolls Rubber Mixing Mill
- Rubber Banburies
- Lab. Type Banbury, Kneader, Two roll Mixing mills
- Sigma & Z Blades Mixers for silicone and Butyle polymers mixing
- Barwell , Rubber Preformers-Barwell
- Rubber Extruders
- Conical screw Force feeder-extruders
- Batch Off Cooling Machines
- Rubber Splitting Machine
- Vulcanization ovens

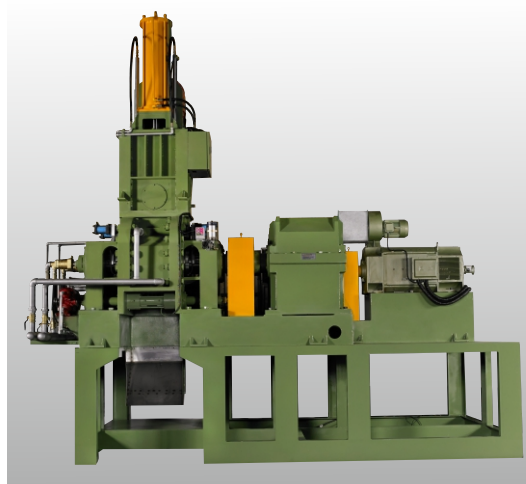
RPMMach, whose mission is to become a Global supply company in a short time, will continue to regard the satisfaction of our customers as the biggest gain.



Rubber Banbury Mixers



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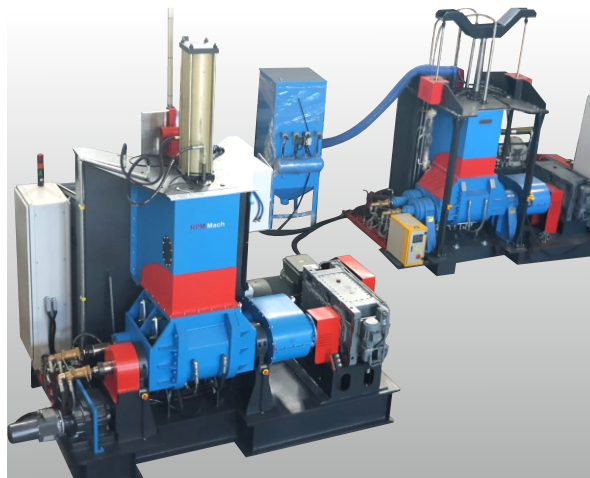


	3L	55L	75L	90L	110L	140L	200L
Model	RPM-KBM03-3S	RPM-KBM03-55S	RPM-KBM03-75S	RPM-KBM03-90S	RPM-KBM03-110S	RPM-KBM03-140S	RPM-KBM03-200S
Main Motor Power	22KW	132KW	160KW	220KW	315KW	450KW	500KW
Mixing Capacity (fill factor:0,75)	3L	55L	75L	90L	110L	140L	200L
Mixing Time appx.	10-12 Batch/h						
Rotor Type	Tangential & Intermesh						
Rotor Speed	5-44rpm by inverter speed control, rate: 1: 1,15						
Machine weight appx.	3500kg	12500kg	15000kg	17000kg	23000kg	27000kg	30000kg
Appx.Overall Sizes(mm)	1800x920x1900	4500x2500x2900	4800x2500x4900	4900x2600x4950	5500x2700x5400	5700x2750x5500	5800x2800x5980

Rubber Kneader Mixers



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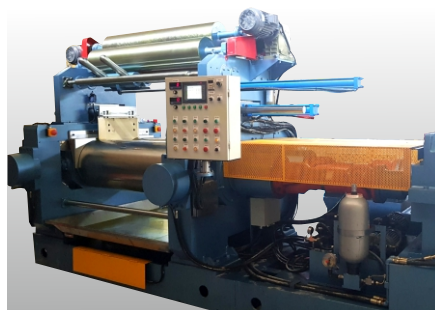
* Inverter Rotor speed control, hydraulic chamber tilting, larger feeding door, PLC control Pannel are standard on our all models.

	3L	10L	35L	55L	75L	110L	125L	150L	250L
Model	RPM-KKM02-3S	RPM-KKM02-10S	RPM-KKM02-35S	RPM-KKM02-55S	RPM-KKM02-75S	RPM-KKM02-110S	RPM-KKM02-125S	RPM-KKM02-150S	RPM-KKM02-250S
Main Motor Power (pnuomatic RAM / hydraulic RAM)	7,5 KW 15KW	15KW 30KW	55KW 110KW	75KW 160KW	110KW 220KW	160KW 315KW	185KW 355KW	220KW 400KW	250KW 450KW
Net Mixing Capacity	3L	10L	35L	55L	75L	110L	125L	150L	250L
Mixing Time appx.	6-10 Batches/h								
Rotor Type	Tangential & Intermesh								
Rotor Speed	0-40rpm by inverter speed control, rate: 1: 1,25								
Machine weight appx.	1500kg	2900kg	7300kg	11000kg	14800kg	17500kg	19300kg	23900kg	43000kg
Appx.Overall Sizes(mm)	2100x1000x2100	2200x1350x2250	3000x1920x2840	3250x2300x3450	5500x2700x5400	4150x2950x3900	4200x2950x4000	4300x3300x4700	4950x3700x5000

Rubber Two Rolls Mixing Mills



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* Double motors, double reducers, double inverters, 50mm roll gap, regulation to the DIN En1417 are standard on our all models.

	7"	12"	14"	16"	18"	22"	24"	26"
Model	RPM-KHM01-7S	RPM-KHM01-12S	RPM-KHM01-14S	RPM-KHM01-16S	RPM-KHM01-18S	RPM-KHM01-22S	RPM-KHM01-24S	RPM-KHM01-26S
Main Motor Power (Double Motors)	4+4=8KW	11+11=22KW	18,5+18,5=37KW	22+22=44KW	37+37=74KW	55+55=110KW	75+75=150KW	110+110=220KW
Max. Mixing Capacity	6L	16L	18L	28L	44L	58L	104L	136L
Mixing Time appx.	6-10 Batches/h (depends on formulations)							
Rolls Material	1.7227, DIN 42CrMoS4, AISI 4140, min.64HRC surface hardnes, Ra 0,3 Surface Roughness, min.50 microns Hard chrom Coated							
Rolls Ratio (friction rate)	Adjustable friction rate depends on processing with DOUBLE MOTOR, Double inverter system							
Rolls Max. Speed	1-16rpm adjustable							
Rolls Cooling System	Central circulation & Pheripheral Surface cooling circulation-Drilled type							
Rolls Bearing	Heavy duty Spherical Bearing type							
Rolls-Reducer connection	By double Cardan shafts heavy duty type							
Machine weight appx.	2200kg	8550kg	11280kg	13900kg	16800kg	22300kg	28550kg	32450kg
Appx.Overall Sizes(mm)	2100x1000x1400	2700x1250x1680	3700x1420x1870	4000x1500x1900	4500x1700x2100	5300x1950x2300	6100x2050x2500	6250x3350x2670



****Contact with us for extruder type preformers requirements.**

	100mm	150mm	200mm	250mm	300mm
Model	RPM-KBW04-100S	RPM-KBW04-150S	RPM-KBW04-200S	RPM-KBW04-250S	RPM-KBW04-300S
Total Power	10.5 KW	15 KW	16 KW	30 KW	55KW
Extruding Pressure	3000Psi	3000Psi	3000Psi	3000Psi	3000Psi
Barrel Diameter	100mm	150mm	200mm	250mm	300mm
Output Capacity	80kg/h	200kg/h	270kg/h	650kg/h	1550kg/h
Max. Dia Diameter	80mm	120mm	150mm	210mm	270mm
Oil Tank	50L	100L	200L	200L	250L
Heater Power	3,5 KW	4,5KW	5,5KW	7,5KW	8,5KW
Machine weight	900Kg	2100kg	3200kg	5100kg	16800kg
Appx.Overall Sizes(mm)	2000x700x1800	2700x1250x1680	3800x1100x1800	5900x1200x1900	4500x1700x2100

Sigma & Z Blade Closed Mixers



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	50L	110L	220L	300L	500L	1000L	2000L	2500L
Model	RPM-SM05-50S	RPM-SM05-110S	RPM-SM05-220S	RPM-SM05-300S	RPM-SM05-500S	RPM-SM05-1000S	RPM-SM05-2000S	RPM-SM05-2500S
Main Motor Power	18,5KW	22KW	45KW	90KW	110KW	132KW	185KW	200KW
Net Mixing Capacity	25L	55L	110L	150L	250L	500L	1000L	1200L
Mixing Time appx.	3-6 Batches/h (depends on formulations)							
Rotor Material	SIGMA BLADE & Z BLADE -1.7227, DIN 42CrMoS4, AISI 4140, min.64HRC surface hardnes, min.15mm SUS304 coating, Ra 0,3 Surface Roughness , min.50 microns Hard chrom Coated							
Rotor Ratio (friction rate)	1:1,3 (depends on requirements)							
Rotor Max. Speed	1-36rpm adjustable							
Cooling System	circulation : inside of rotors fully crclulation, inside of chamber jcket							
Bearing	Heavy duty Spherical Bearing type + Conical Bearing supported							
Reducer connection	Motor to Reducer; Pulley W belts, Reducer to Rotors ; direct coupling by ratio gear box							
Machine weight	1200kg	2550kg	2780kg	3390kg	6800kg	12300kg	18550kg	22450kg
Appx.Overall Sizes(mm)	1100x1000x1400	1700x1050x1680	2700x1120x1870	3000x1300x1900	3500x1450x2100	4300x1550x2300	5100x1650x2500	5250x2100x2670

Rubber Extruders



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****Contact with us for other customized sizes.**

	75mm	90mm	120mm	150mm	200mm	250mm
Model	RPM-KE06-75S	RPM-KE06-90S	RPM-KE06-120S	RPM-KE06-150S	RPM-KE06-200S	RPM-KE06-250S
Main Motor Power	55 KW	90 KW	160 KW	200 KW	200KW	250KW
Extruding Pressure	max.40MpA	max.40MpA	max.40MpA	max.40MpA	max.40MpA	max.40MpA
Screw & Barrel Diameter	75mm	90mm	120mm	150mm	200mm	250mm
Max. Screw speed	40rpm	40rpm	40rpm	40rpm	35rpm	35rpm
Appx.Output Capacity	150kg/h	300kg/h	650kg/h	850kg/h	1100kg/h	1750kg/h
TCU Temp.Cont. Quantity	4Pcs	5Pcs	6Pcs	7Pcs	8Pcs	9Pcs
Appx.Machine weight	900Kg	2100kg	5200kg	7100kg	9800kg	11700kg
Appx.Overall Sizes(mm)	2500x700x1650	2800x800x1680	3500x980x1800	4300x1000x1900	4550x1100x2100	5000x1200x2100



We can design&provide some of customized Rubber Processing Machine&Equipments regarding to your process's requirements

- 1- Silicone Extruders-Vulcanizing lines
- 2- Conical screw Force feeders-Pre shapers
- 3- EVA-EPDM Splitter Machines
- 4- Batch-OFF cooling Machines
- 5- MW vulcanizing Ovens
- 6- Hot air Vulcanizing Ovens
- 7- TPE 3D CAR MAT rotational Vacuum Forming&Production Line (Patented design : Patent No: PCT/TR2021/050246 B60N3/04 B29C51/00)







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