



Since 2002



**Kisan**<sup>TM</sup>  
Engineering  
*A Company U Can Rely On...*



**Plastic  
Processing  
Machinery**

**MANUFACTURER AND EXPORTERS OF:**  
RPVC / UPVC / CPVC / HD-LD PIPE EXTRUSION  
HIGH SPEED MIXER

Since 2002



## Company Profile



An ISO 9001:2015 Certified Company



**Mr. Parshottam Panchal**  
(Director)

Our trade name Kisan Engineering and we are established in the year 2002. We are in business since 2002 having the state of art manufacturing facilities located at Dhamatvan, Ahmedabad and in the plot areas of 38700 sq. ft. We are leading plastic process industries with our latest technologies and highly reliable products.

We are one of the leading manufacturers, exporters, suppliers and traders plastic processing machinery including selection of proper products for various grade/quality of plastic depending on application with the help of latest software and our in depth products knowledge. The products are consistent in quality, cost effective and meet the specific customer requirements. The array is available in the demanded standard and finish. The Designers and Engineers develop the collection suiting specific business needs of the clients. In the making of the range, the team utilizes their skills and knowledge of the respective domain.

We provide complete solution to your need of plastic processing machinery including selection of proper products for various grade/quality of plastic depending on application with the help of latest software and our in depth products knowledge. We satisfy after market needs by providing all spares parts along with prompt and efficient service too. We have a capacious warehouse and packaging facility, which is capable of storing bulk finished orders in proper dispatch order. This unit is handled and well maintained by our team of skilled professionals.



### Twin Screw Pipe Extrusions Line (RPVC/UPVC/CPVC)





### Specification of Pipe Extrusion Line

Model	KE - 45	KE - 51	KE - 55	KE - 65	KE - 80	KE - 92
Dimeter of Screw (mm)	45/90	51/105	55/120	65/132	80/156	92/188
Number of Screw	2	2	2	2	2	2
Screw Rotation Speed	1-45	1-45	1-40	1-35	1-37	1-33
Effective Length of Screw	985	1070	1200	1440	1800	2500
Main Motor Power	15	18.5	22/30	37	55	90
Output (Kg/Hr)	70	100	170	200-220	300-350	500-550

This pipe extrusion line features stable plasticization, high output, low sheering force, long life service, and other advantages during pipe extrusion process.

The production line consists of control system, conical twin-screw extruder or parallel twin screw compounding extruder, extrusion die, calibration unit, haul-off unit, film coverina machine, and stacker The extruder is equipped with AC variable frequency or DC speed drive, imported temperature controller. The calibration unit's pump and haul-off unit's reducer are famous brand products. After simple changing of the die and screw and barrel, it also can produce the foam profiles, the effect can be better than single screw extruder.



Twin Screw Extrusion are Crucial for the efficient Extrusion of Quality PVC Pipes : A wide Range of Products are made on these Extrusion that is why all Aspects of the Kisan Engineering extruder are being Continually Developed. Kisan Engineering Offered with screw Diameter 52mm up to 92 mm give Output 120 to 900 Kg/Hr



## Features

- ◆ Minimize Energy Inputs
- ◆ Economic Replacement Option
- ◆ Hard Face Coating for Screw Fittings
- ◆ Tungsten Carbide Coating on Twin Screw For High Wear Resitance (Option)
- ◆ H.S.S. Sleeve for Minimize wear & Tear

## Application

- ◆ Drinking Water
- ◆ Irrigation
- ◆ Plumbing
- ◆ SNR Casing
- ◆ Conduits
- ◆ Industrial App etc...

## Twin Screw Pipe Extrusion Line (RPVC/UPVC/CPVC) Specification

Model	KE - 52/18 V	KE - 52/22 V	KE - 52/25 V	KE - 65/18 V	KE - 65/22 V
Extruder Drive (KW-AC)	11	15	15	22	30
L/D Ratio	18:1	22:1	25:1	18:1	22:1
Output (Kg/Hr)	100 - 120	130 - 150	150 - 170	180 - 200	200 - 250

Model	KE - 68/28 V	KE - 90/22 V	KE - 90/25 V	KE - 92/28 V	KE - 110/28 V
Extruder Drive (KW-AC)	37	55	55	75	90
L/D Ratio	28:1	22:1	25:1	28:1	28:1
Output (Kg/Hr)	300 - 350	400 - 450	500 - 550	650 - 700	850 - 900

## Die Head

Kisan Engineering provide Spider Dies, right upto 630mm dia with Single and Dual.

### Single Head Die Specification

Model	KE - 63	KE - 110	KE - 110 LV	KE - 200	KE - 250	KE - 315	KE - 400	KE - 630
Pipe Range (mm)	20 - 63	20 - 110	63 - 200	63 - 200	90 - 250	110 - 315	160 - 400	250 - 630
Output Capacity up to (Kg/Hr)	100	200	250	320	425	550	700	1000

### Double Spider Die Specification

Model	KE - 110	KE - 280
Pipe Range (mm)	16 - 110	63 - 280
Output Capacity up to (Kg/Hr)	700	900

### Multiple Head Die Specification

Model	KE - 50*	KE - 63 Dual	KE - 110 Dual ##	KE - 200 Dual	KE - 320 Quadruple
Pipe Range (mm)	19 - 50	20 - 110	63 - 200	63 - 200	19 - 32
Output Capacity up to (Kg/Hr)	200	200	250	320	280

## Advantages

- ◆ High Volume low pressure design.
- ◆ Uniform melt distribution throughout the entire pipe circumference.
- ◆ Twin die heads for higher outputs in smaller size of pipes.
- ◆ Dual die with dual downstream for pipe sizes 20-110 mm & 63-200mm.
- ◆ Extruders utilization from 80 - 100%.



## SprayTank



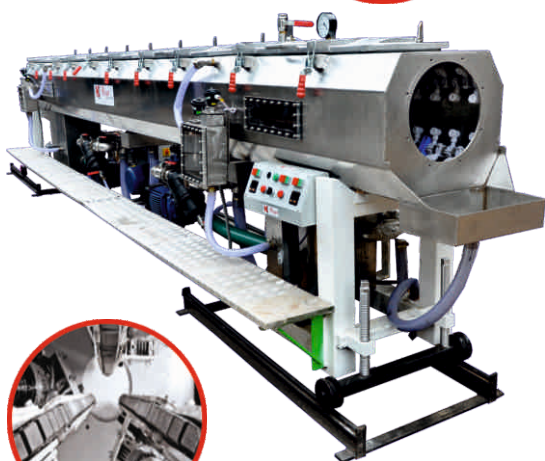
## Features

- ◆ Tank available with Mild Steel as well as in S.S. 304.
- ◆ Easy cleanable type spray nozzles.
- ◆ Manual/ motorized longitudinal adjustment on rail.
- ◆ Appropriate working platform is provided.
- ◆ Special type of filter for cleaning during operation.
- ◆ Height adjustable manually.
- ◆ Adjustable spray nozzle pipes (Above TCT-250 Model)
- ◆ Pressure gauge on water filters to see the blockage of filter.
- ◆ Fixed structure provided in Extra Cooling Tank.
- ◆ Acrylic Type Pipe/ Tube Cooling Tank also available up to Pipe dia 250 mm.

### Spray Tank Specification

Model	KEST - 110	KEST - 250	KEST - 315	KEST - 450	KEST - 630
Pipe Range (mm)	20 - 110	20 - 250	75 - 315	110 - 450	250 - 630
Length of Tank (mm)	4000 - 6000	4000 - 6000	6000	6000	6000 - 8000

## Vacuum Sizing Tank



- ◆ Tank available with Mild Steel as well as in S.S. 304
- ◆ Mechanical Seal/Water Ring type Vacuum Pump
- ◆ Easy cleanable types spray nozzles.
- ◆ Manual as well as motorized longitudinal adjustment on rail.
- ◆ Precise Water level control system.
- ◆ Water temperature control with sensor and Angle Seat Valve
- ◆ Special type of filter for cleaning during operation.
- ◆ Height adjustable manually.
- ◆ Adjustable spray nozzle pipes (Above VST-250 Model)
- ◆ Pressure gauge on water filters to see the blockage of filter.
- ◆ Double vacuum chamber provided for quick startup and less wastage (Above VST-250 Model).
- ◆ Dual Vacuum Tank provided on common / individual structure for dual pipe extrusion.

### Vacuum Sizing Tank Specification

Model	KE VST - 110	KE VST - 250	KE VST - 315	KE VST - 450	KE VST - 630
Pipe Range (mm)	20 - 110	20 - 250	75 - 315	110 - 450	250 - 630
Length of Tank (mm)	4000 - 6000	4000 - 6000	6000	6000	6000 - 8000
Number of Vacuum Chamber	Single	Single	Double	Double	Double

## Tube/ Pipe Traction Unit



- ◆ Double Belts/ Multi Belts Haul Off 3/4/6 belts available for optimum pulling force and to prevent ovality even for larger dia and thin wall pipes.
- ◆ Easily removable rubber pads/ Molded Rubber Chain.
- ◆ Synchronize with any type of extruders.
- ◆ Track adjustable by pneumatic control.
- ◆ Line speed can adjusted with AC Drive.
- ◆ Dual Haul Off for Dual Pipe Extrusion Line.
- ◆ Encoder for length measurement and feedback offered optionally.
- ◆ State of the art Electrical Panel with control unit.

### Tube/ Pipe Traction Unit Specification

Model	KE TTU - 110	KE TTU - 250	KE TTU - 315	KE TTU - 450	KE TTU - 630
Pipe Range (mm)	20 - 110	20 - 250	75 - 315	110 - 450	250 - 630
No. of Tanks	2	2	3 - 4	4	4 - 6
Pipe Contact Length (mm)	800	1200	1200	1600	1600
Line Speed (m/min) (mm)	15	10	10	7	5



## Rotary Auto Cutter



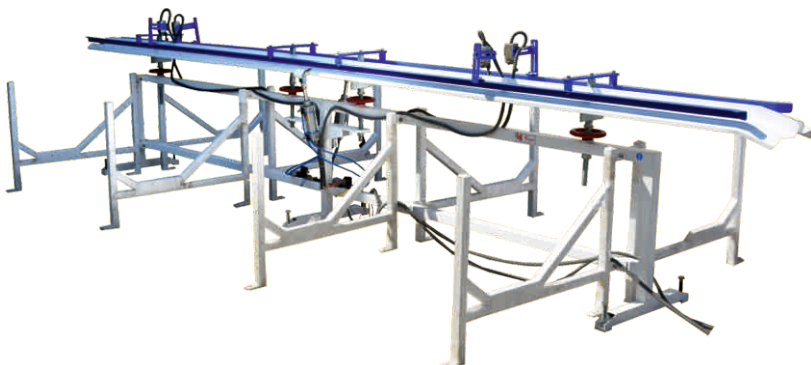
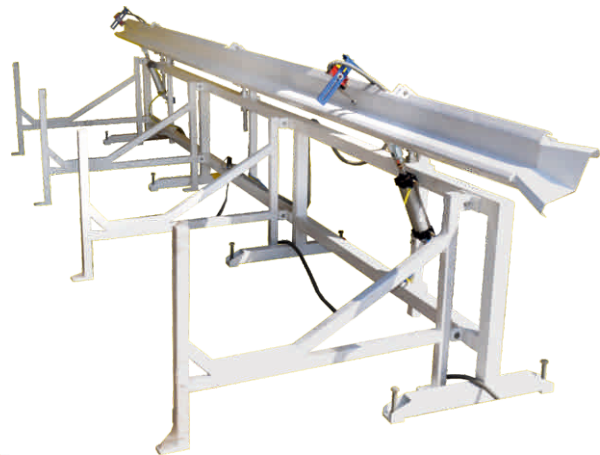
- ◆ Saw table movement with linear bearing on hard and chrome plated imported guide bar.
- ◆ Pneumatically operated carriage movement and can be synchronized with pipe line speed.
- ◆ Carbide Tips Cutter for longer life.
- ◆ Smooth and clean cut of pipe
- ◆ Clamping force adjustable through pneumatic cylinder depending upon wall thickness of pipe.
- ◆ Length counter offered optionally.
- ◆ Dual Cutter for Dual Pipe Extrusion Line.
- ◆ Planetary Cutting Unit provided above TCU-315 Model.

### Rotary Auto Cutter Specification

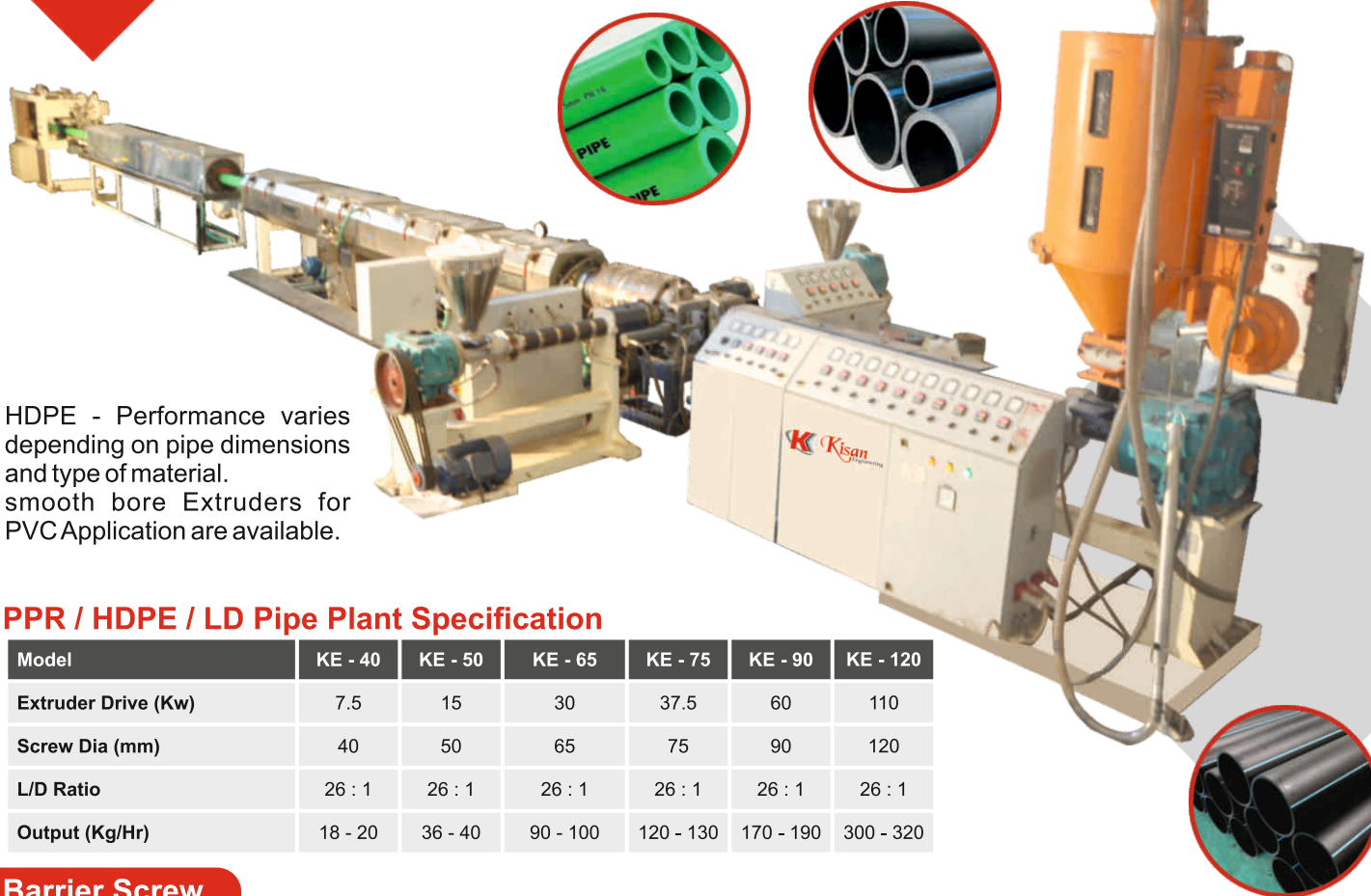
Model	KE TCU - 110	KE TCU - 200	KE TCU - 250	KE TCU - 315	KE TCU - 400	KE TCU - 630
Pipe Range (mm)	20 - 110	20 - 200	75 - 315	110 - 450	110 - 400	250 - 630
Clamping From	Top	Top	Top	Top / Side	Universal	Universal
Saw Dia	350	550	630	850	180	355

## Pipe Tilting unit

- ◆ Pneumatically operated.
- ◆ Square tubular structure bears the load.
- ◆ Two limit switch actuation - One for pipe cutter feedback and other for tilting the pipe.
- ◆ Pipe resting platform provided for above 250mm Dia Pipe.



The next generation Extruders. Screw and Barrel are designed and developed such a way that it can match specific raw material and end product requirement. Kisan offers barrier screws resulting higher output, low melt temperature and good quality of melt.



HDPE - Performance varies depending on pipe dimensions and type of material. smooth bore Extruders for PVC Application are available.

### PPR / HDPE / LD Pipe Plant Specification

Model	KE - 40	KE - 50	KE - 65	KE - 75	KE - 90	KE - 120
Extruder Drive (Kw)	7.5	15	30	37.5	60	110
Screw Dia (mm)	40	50	65	75	90	120
L/D Ratio	26 : 1	26 : 1	26 : 1	26 : 1	26 : 1	26 : 1
Output (Kg/Hr)	18 - 20	36 - 40	90 - 100	120 - 130	170 - 190	300 - 320

### Barrier Screw



- It allows high homogenous plasticizing less material slippage and higher output.
- Higher productivity compared to conventional design.
- Improved material conveying capacity.
- Uniform throughout and melt temperature.
- Pressure invariance.

### Grooved Feed System



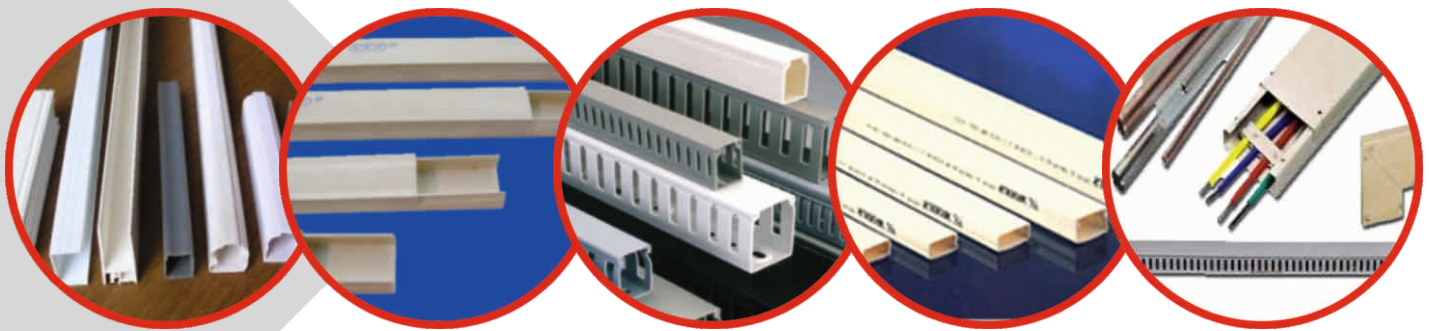
- Pipe Down Streams (PVC/ HDPE Pipes) - upto 630mm OD
- Spiral Conveyor/ Screw Conveyor
- Spares for Pipe Down Streams, High Speed Mixer, Material Handling System.

### Grooved Feed Specification

Model	KE - 65G	KE - 65GH	KE - 90G	KE - 90GH	KE - 320G	KE - 320GH
Extruder Drive (KW)	60	75	110	150	180	315
Screw Dia (mm)	65	65	90	90	120	120
L/D Ratio	30 : 1	30 : 1	30 : 1	30 : 1	30 : 1	30 : 1
Output (Kg/Hr)	170 - 190	200 - 220	325 - 350	430 - 450	500 - 550	750 - 800

## Manual Single Screw Pipe Plant

We are offering a wide range of Extrusion Single Screw PVC Pipe Plant that are flexible, economical and easy to install. These pipes are available with number of features such as anti-corrosive and self-extinguishing.



## PVC Casing - Caping Plant



We are counted amongst as the leading manufacturer, exporter and supplier of PVC Casing-Caping Plant. Our offered plants are highly praised for their industry approved design and other related excellent features. These plants are available in customized forms, in order to fulfill the need of our valued customers. In addition to this, our entire range of plant is offered in a given time frame.

### Specifications

- ◆ Suitable size of machine - 65 mm
- ◆ Low power consumption
- ◆ Profile size - 12mm to 60mm
- ◆ High output - 35kg to 50kg output / hour
- ◆ Making more than 50 plants in India and abroad the world.

### Features

- ◆ Sturdy design
- ◆ Optimum strength
- ◆ Anti corrosive

## Salient Feature Of Garden Pipe

- ◆ Smooth surface
- ◆ Light in weight
- ◆ Easy to bend
- ◆ Dimensionally precise and resistance to distortion
- ◆ High temperature resistance



## Application Of PVC Garden Pipe

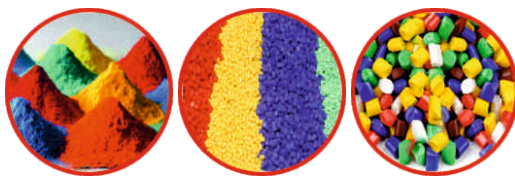
- ◆ To provide water connections to bathrooms , kitchens, sinks and lavatories
- ◆ Water supply and distribution in complexes, houses, flats, offices, hotels etc
- ◆ Hospitals and public places
- ◆ Water distribution in villages & colonies through wells and over head tanks

Main Specification	Model	KE - 50	KE - 65	KE - 75	KE - 90
<b>Extruder</b>	Pipe Range	1/2" - 2"	1/2" - 2"	1/2" - 2"	1/2" - 2"
	Output (Kg/Hr)	40 - 45	50 - 60	60 - 70	80 - 100
	Main Drive (Kw)	5.6	7.5	11.25	16.8
	Barrel (Kw)	6	8	8	10
	Die (Kw)	2	2	2	3
	Screw Speed Variation	15 - 45	15 - 45	15 - 45	15 - 45
<b>Water Tank</b>	Length (Mtr)	2	3	3	4
<b>Haul Off</b>	Motor (Kw)	1.5	1.5	1.5	2.2



Main Specification	Model	KE - 25	KE - 32	KE - 45
<b>Extruder</b>	Pipe Range	1/2" - 2"	1/2" - 2"	1/2" - 2"
	Output (Kg/Hr)	15 - 20	20 - 25	25 - 30
	Main Drive (Kw)	2	2	3
	Barrel (Kw)	2	3	3
	Die (Kw)	1	1	1





## High Speed Heater - Cooler Mixer

In a High speed mixer, the heat generated due to friction is utilised for mixing, hence it's known as "Heater mixer". High speed mixers are used to mix solid to solid, liquid and pasty components. The Heating phase in a heater mixer - It is not only the shortest possible cycle time which is the decisive factor, but in many cases, the way in which friction is introduced in to the product is of far greater importance.

### Features of High Speed Heater-Cooler Mixer

- Stainless steel vessel
- Vessel-highly polished surface inside, discharge plate blended into bottom dish
- Mixing tools-self cleaning. adjustable in height specific to the material being mixed, simple design. armoured leading edges
- Robust, easily serviced and maintained construction
- Twin jacket
- Corrosion and abrasion resistance
- No deposits, crusts or pockets of colour
- Fast and complete discharge of the mixed material
- Easy and perfect cleaning
- Optimum adaptability to each type and size of mixing batch
- Optimum dispersion and distribution of components
- Improved tool life Quick, easy dismantling and reassembling
- Long service life
- Low noise level
- Short maintenance and repair times
- For heating and cooling purposes



Mixing Tool



Pneuma Seal



Lid



Deflector



### High Speed Heater-Cooler Mixer Specifications

MODEL	BATCH CAPACITY KGS.	VESSEL CAPACITY LTRS.		DRIVE (KW)		NO. OF BATCHES PER HOUR	MIXING TIME MIN.	MIXING TOOL SPEED R.P.M.			MAX. PRESSURE IN DOUBLE JACKET (BAR)		AIR SYSTEM OPERATING AT BAR
		HIGH SPEED MIXER	COOLING MIXER	HIGH SPEED MIXER	COOLING MIXER			HIGH SPEED MIXER		COOLING MIXER			
				SINGLE SPEED	SINGLE SPEED			SINGLE SPEED	VARIABLE SPEED	SINGLE SPEED	HIGH SPEED	COOLING	
KE - 150	40 - 55	150	350	18.5	5.5	4 - 6	6 - 9	900	550 - 1100	120	2.5	1.0	4 - 5
KE - 150 P	40 - 55	150	350	22	5.5	4 - 5	8 - 12	900	550 - 1000	120	2.5	1.0	4 - 5
KE - 200	65 - 80	200	450	30	7.5	4 - 6	6 - 9	850	500 - 1000	110	2.5	1.0	4 - 5
KE - 200 P	65 - 80	200	450	37.5	7.5	4 - 5	8 - 12	850	500 - 1000	110	2.5	1.0	4 - 5
KE - 250	90 - 100	250	650	45	11	4 - 6	6 - 9	840	450 - 900	110	2.5	1.0	4 - 5
KE - 250 P	90 - 100	250	650	55	11	4 - 5	8 - 12	840	420 - 840	110	2.5	1.0	4 - 5
KE - 350	120 - 150	350	1100	55	15	4 - 6	6 - 9	700	360 - 720	96	2.5	1.0	4 - 5
KE - 350 P	120 - 150	350	1100	75	15	4 - 5	8 - 12	700	360 - 720	96	2.5	1.0	4 - 5
KE - 500	160 - 200	500	1250	90	18.5	4 - 6	6 - 9	550	300 - 600	96	2.5	1.0	4 - 5
KE - 500 P	160 - 200	500	1250	110	18.5	4 - 5	8 - 12	550	300 - 600	96	2.5	1.0	4 - 5
KE - 750	280 - 300	750	1550	132	18.5	4 - 6	8 - 12	500	260 - 520	96	2.5	1.0	4 - 5
KE - 1000	400 - 430	1000	2100	180	22	4 - 6	8 - 12	500	260 - 520	96	2.5	1.0	4 - 5
KE - 1200	450 - 500	1200	3000	250	30	4 - 6	8 - 12	500	260 - 520	57	2.5	1.0	4 - 5
KE - 1500	500 - 600	1500	3500	300	45	4 - 6	8 - 12	500	260 - 520	57	2.5	1.0	4 - 5
KE - 2000	800 - 850	2000	5000	450	55	4 - 6	8 - 12	500	260 - 520	57	2.5	1.0	4 - 5

KE Suitable for Rigid PVC formulation KE-P Suitable for Plasticized formulation

- The mix weights are valid for PVC formulae with an apparent density of 0.5 kg / ltr inclusive of additives and final temperature of 120 C of Heating Mixer and 45 C for Cooling Mixer and for Plasticized PVC with a percentage of Plasticizers not greater than 40 p.h.r.
- Direct Current motors, frequency variations of soft-star can be fitted to all models on request.

\*We reserve the right to change specifications without prior notice.

# Always Different Always Unique



Since 2002



Plot No. 11, Jignasha Industrial Park - 2, Behind Dhanay Way Bridge,  
Vanch-Dhamatvan Road, Village:Dhamatvan, Ta.: Daskroi,  
Dist.: Ahmedabad, Gujarat-382435, INDIA  
**Email :** [info@extrusion.co.in](mailto:info@extrusion.co.in) | [kishanengineering@gmail.com](mailto:kishanengineering@gmail.com)  
**Visit us at :** [www.extrusion.co.in](http://www.extrusion.co.in)  
**Sales & Service :** +91 - 70437 37073 / 75

