

**A DECADE OF FOUNDATION,
A FUTURE OF INNOVATION**



www.kronoplastextrupack.co.uk

PIPE EXTRUSION LINE

From the legacy of
WINTECH INDUSTRIES
comes the evolution of
KRONOPLAST EXTRUSION



COMPANY PROFILE

For over a decade, **Wintech Industries** stood as a pillar of reliability in the plastic extrusion sector. We began with a simple mission: to build machines that last. Today, after ten years of engineering mastery and global expansion, we are shedding our old skin to embrace a dynamic new identity.

Kronoplast Extrusion Pvt. Ltd. is not just a name change; it is a technological leap. We are carrying forward the robust DNA of Wintech—the heavy-duty builds, the honest engineering, and the customer trust—and infusing it with next-generation automation, AI-driven precision, and sustainable recycling technologies.

OUR JOURNEY

THE MILESTONES

A timeline of how we conquered the global market.

2024
The Evolution | Rebranded as Kronoplast Extrusion Pvt. Ltd. with Industry 4.0 facilities.

2022
Global Reach | Expanded footprint to 18+ countries across Asia and the Middle East.

2020
Sustainability | Launched WINTRIM Recycling Division to process post-consumer scrap.

2018
Global Debut | Commenced international exports, starting with East Africa.

2016
Diversification | Engineered first Multilayer Blown Film plant; expanded into versatile extrusion.

2014
The Inception | Founded Wintech Industries; delivered first 10 rugged PVC pipe plants.



OUR NEW HOME: THE CENTER OF INNOVATION

Growth demands space. As part of our transformation into Kronoplast, we have moved our operations to a state-of-the-art facility strategically located at:

Near Yamuna Industrial Park, Dhamatvan, Ahmedabad.
Spanning **27,000 square feet**, this modern plant is designed for scale and precision.

- **Expanded Assembly Floor** : Allows us to assemble and test multiple large-scale lines simultaneously, reducing delivery timelines.
- **Dedicated R&D Wing** : A space where our engineers develop next-gen screw geometries and test new polymer blends.
- **Inventory Management** : Larger warehousing for spares ensures that our global clients receive parts faster than ever before.

At Kronoplast, we don't just melt plastic; we master it. ENGINEERING THE NEW ERA

Our rebranding coincides with the launch of our "**K-Smart**" **Technology Series**. We have completely overhauled the extrusion process to meet modern demands for speed and energy efficiency.

The Krono-Logic Control System

Gone are the days of manual guesswork.

Our new machines feature IoT enabled PLC systems that self-adjust screw speed and heater temperatures based on real-time material feedback. This ensures:

- **Zero Variation** in pipe wall thickness.
- **Auto Correction** for film bubble stability.

Conical Screw Innovations

For our PVC lines, we have introduced a variable geometry screw design.

This advanced metallurgy reduces wear and tear by 30% and allows for higher calcium carbonate loading without sacrificing pipe strength-giving you a massive competitive edge in raw material costs.

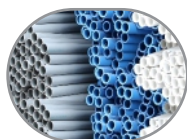
Sustainable Film & Recycling

Our film plants are now optimized for Bioplastics and Recycled LDPE/HDPE.

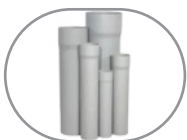
The new recycling lines feature "Melt-Filter" technology that purifies even the most contaminated agricultural waste into premium granules.

APPLICATION

SECTION 1: PVC / uPVC / cPVC PIPE SYSTEMS



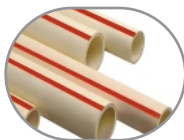
· **uPVC Plumbing & Industrial:**
Pipes for cold water distribution and chemical transport (ASTM & IS standards).



· **Agriculture & Irrigation:**
Rigid PVC pipes optimized for rural water distribution and farm networks.



· **SWR (Soil, Waste, Rainwater):**
High-impact pipes for efficient building drainage and sewerage systems.



· **cPVC Hot & Cold Systems:**
High-temperature resistant pipes for modern residential and industrial plumbing.



· **Tubewell Casing :**
in **borewell** applications to prevent the well walls from collapsing



· **Column:**
Heavy-duty ribbed pipes for borewells and submersible pump installations.

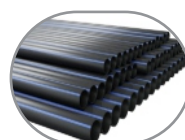
SECTION 2: HDPE PIPE SYSTEMS



· **HDPE Sprinkler (Fawara) Systems:**
Complete extrusion lines for lightweight, UV-stabilized sprinkler irrigation pipes.



· **Drip Irrigation Pipes:**
Precision-wall pipes for micro-irrigation and water-saving agricultural projects.



· **Potable Water Supply:**
PE-63, PE-80, and PE-100 grade pipes for municipal and urban water mains.

THE KRONOPLAST PROMISE

We are the same team that earned your trust over the last ten years, now operating with bigger capacity and better technology.

27,000

Sq. Ft. Facility

18+

Countries

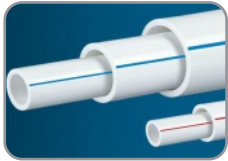
600+

installations

10 Years

of Excellence

Refining Legacy. Extruding the Future.



TWIN SCREW EXTRUDER (PVC / uPVC / cPVC)

PVC is a very heat-sensitive material and difficult to process. Twin Screw Extruder is the proper solution to process the PVC with low power consumption. Kronoplast offers a complete range of PVC Pipe Extruders (Twin Screw) suitable to produce pipes ranging in diameter from 20mm to 630mm.

FEATURES:

- Less power consumption.
- Upgraded and efficient machine design.
- Two-Piece Barrel for minimum maintenance.
- Uniform pumping is achieved.
- High accuracy temperature control.
- Less wear and tear in Screw Barrel with a special coating on Screws.
- Front Barrel with HSS M2 grade Sleeve.
- Faultless Electrical and Electronic components from reputed manufacturers.
- PLC controlled machine with high accuracy.



TECHNICAL SPECIFICATION

Model	Screw Dia (mm)	L/D Ratio	Extruder Drive (kW)	Output (Kg/Hr)	Pipe Range (mm)
KPT 110	52	20: 1	11	100 – 110	20 – 110
KPT 170	65	18: 1	15	150 - 170	20 – 200
KPT 200	65	18: 1	22	180 – 200	20 – 200
KPT 250	65	22: 1	22	220 – 250	63 – 250
KPT 350	71	28: 1	30	320 – 350	110 – 315
KPT 450	91	22: 1	45	420 – 450	110 – 400
KPT 550	91	25: 1	56	520 – 550	110 – 400
KPT 700	91	28: 1	75	650 – 700	160 – 400

Note: - Output depends upon pipe size and recipe.

DIE HEADS (PVC)

Kronoplast can provide
Single and Dual Spider
Dies up to 630mm Dia.



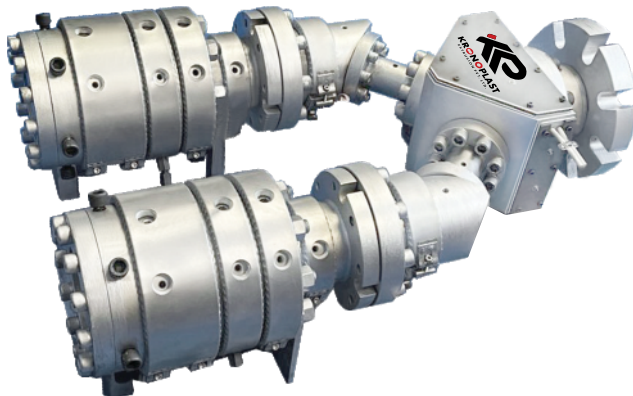
SINGLE DIE HEAD

FEATURES:

- High-Volume Low-Pressure design.
- Suitable for single-pipe and dual-pipe production.
- Uniform melt distribution.
- Die head with trolley for easy movement.
- 80 to 100% utilization of extruders.
- Twin Die is suitable for small size pipes with higher output.

SINGLE DIE HEAD:

Model	Pipe Range (mm)	Output Capacity (kg/hr)
SL 63	20 – 63	100
SL 110	20 – 110	200
SL 200LV	63 – 200	250
SL 200HV	63 – 200	320
SL 250	90 – 250	425
SL 315	110 – 315	550
SL 400	160 – 400	700
SL 630	250 – 630	1000



TWIN DIE HEAD

TWIN DIE HEAD:

Model	Pipe Range (mm)	Output Capacity (kg/hr)
DL 50	19 – 50	200
DL 63	20 – 63	200
DL 110	20 – 110	400
DL 200	63 – 200	850

COLUMN DIE HEAD:

Model	Pipe Range (mm)	Output Capacity (kg/hr)
CH 1	1", 1.1/4 , 1.1/2	230
CH 2	2" – 4"	450
CH 3	2" – 5"	600

DIE RING & MANDREL

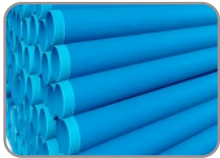


VACUUM SIZER



PRESSURE SIZER





CONICAL TWIN SCREW EXTRUDER (PVC / uPVC / cPVC)

By aligning screws at an angle, the design maximizes center distance at the drive end to house heavy-duty gears and radial thrust bearings. This structural advantage allows for powerful transmission shafts, ensuring high working torque and reliable load handling.

FEATURES:

- Self-Wiping actions prevents material buildup on screws
- High pressure and shear generating capacity makes it ideal for intense mixing and dispersion
- Robust gear system and structural stability
- Energy efficient in case of high-pressure application
- Extensively higher output with compact design makes it ideal for large size pipes.
- Suitable for processing material with high viscosity and complex formulation.



TECHNICAL SPECIFICATION

Model	KPC 45	KPC 51	KPC 55	KPC 65	KPC 80	KPC 92
Diameter of screw(mm)	45/90	51/105	55/120	65/132	80/156	92/189
Number of screws	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
Barrel heating power	12	18	18	24	36	86.8
Throughput	120	80-150	150-180	250-300	320-400	600-800
Machine center	1000	1000	1000	1000	1000	1200
Net weight	2800	3200	3500	4000	5000	8000
Dimensions (LxWxH)	3300x1200 x2100	3300x1200 x2100	3300x1200 x2100	3300x1200 x2100	3300x1200 x2100	3300x1200 x2100

Note: - Output depends upon pipe size and recipe.

SINGLE SCREW PE EXTRUDER NEXT GENERATION (PE / PPR)

At Kronoplast, we specialize in high-reliability extrusion lines designed for 24/7 industrial operation. Whether you require high-speed efficiency or material versatility, our machines are engineered to produce top-tier single and multi-layer pipes.



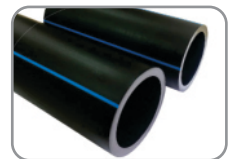
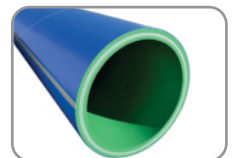
TECHNICAL SPECIFICATION

Model	Screw Dia (mm)	L/D Ratio	Extruder Drive (kW)	Output (kg)
MAX 45 / 45	45	37: 1	45	140 – 160
MAX 45 / 56	45	37: 1	56	180 - 190
MAX 45 / 75	45	37: 1	75	220 – 240
MAX 45 / 90	45	37: 1	90	300 – 330
MAX 60 / 110	60	37: 1	110	380 – 400
MAX 60 / 132	60	37: 1	132	500 – 550
MAX 75 / 200	75	37: 1	200	650 – 750
MAX 75 / 250	75	37: 1	250	850 – 950
MAX 90 / 315	90	37: 1	315	1000 - 1100
MAX 90 / 355	90	37: 1	355	1200 – 1300

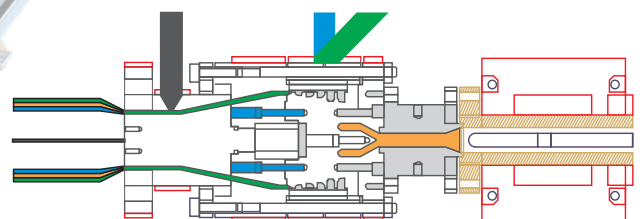
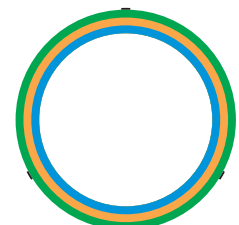
FEATURES:

Advanced technology for maximum throughput and precision.

- High output at low melt temperatures.
- High L/D ratio for superior homogenization.
- Next-gen, high-RPM design.
- Low-friction direct-coupled drive.
- Wear-resistant TC-coated screw.
- Proven, maximum-capacity technology.
- Optimized for high-volume precision.



NEXT GEN - THREE LAYER PE EXTRUDER LINE



SINGLE SCREW PE EXTRUDER LINE CONVENTIONAL MODEL

At Kronoplast, we specialize in high-reliability extrusion lines designed for 24/7 industrial operation.

Whether you require high-speed efficiency or material versatility, our machines are engineered to produce top-tier single and multi-layer pipes.

FEATURES:

Robust engineering for material flexibility and process control.

- Optimized low-speed extrusion for balanced processing.
- Exceptional stability when using diverse PE grades.
- Robust design that easily handles recycled material blends.
- Heavy-duty build for vibration-free operation.
- Simplified mechanical layout for easy maintenance and service.
- Reliable high-torque gearbox for steady production runs.
- Consistent performance across varying environmental conditions.



TECHNICAL SPECIFICATION

Technical Specification for
Grooved Feed Extruder:

Model	Screw Dia	L/D Ratio	Motor Power	Output
Pro-45G/30	45	30	30	90-100
Pro-65G/37	65	33	37	130-150
Pro-65G/56	65	33	56	170-190
Pro-75G/56	75	33	56	190-210
Pro-75G/75	75	33	75	280-300
Pro-75G/110	75	33	110	370-400
Pro-90G/150	90	33	150	430-450



TECHNICAL SPECIFICATION

Technical Specification for
Plain Barrel Extruder:

Model	Screw Dia	L/D Ratio	Motor Power	Output
Pro - 18 J	18	20	1.5	1.5-2
Pro - 25 J	25	24	1.5	3-5
Pro - 30	30	26	5.5	10-12
Pro - 40	40	26	7.5	12-15
Pro - 50	50	26	7.5	36-40
Pro - 50 X	50	26	15	50-60
Pro - 65	65	26	22	65-80
Pro - 65 X	65	26	30	90-100
Pro - 75	75	26	37.5	120-130

X = Extended models J = jockey models

Quick Comparison

Feature	NEXT-GEN SERIES	CONVENTIONAL SERIES
Output Focus	Maximum Volume	Process Stability
Screw Speed	High RPM	Balanced RPM
Layers	1, 2, or 3 Layers	1, 2, or 3 Layers
Best For	High-Volume Efficiency	Material Versatility
Reliability	24/7 Industrial Grade	24/7 Industrial Grade

DIE HEADS (PE)

Kronoplast Extrusion offers PE/PPR die heads featuring the latest technology and cost-saving common die toolings. Specialized models include internal pipe cooling to boost output and quality significantly. We satisfy all modern needs with versatile heads for single, 2-layer, and 3-layer pipe production. Partner with Kronoplast for maximum output and flawless pipe quality.

FEATURES:

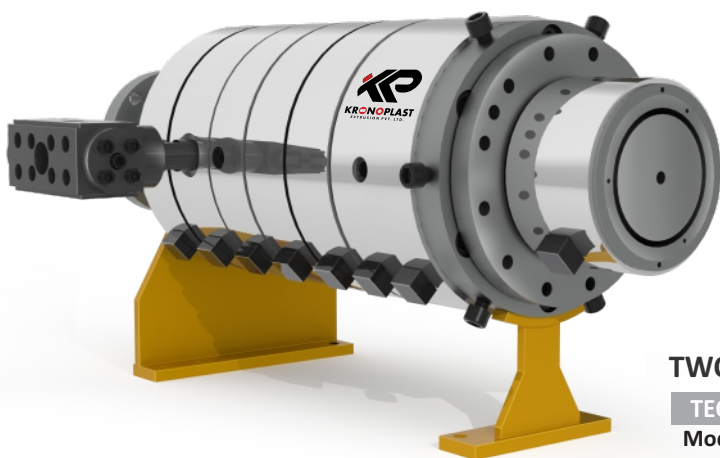
- Most reliable Spiral Mandrel designed Die.
- Very short purging times.
- Uniform Melt flow.
- Improved inner pipe surface.
- Optimum back pressure to balance compression and melt temp control.



SINGLE LAYER DIE HEAD MODELS

TECHNICAL SPECIFICATION		
Model	Pipe Range (mm)	Output capacity up to(kg/hr)
HD-50	12 - 50	200
HD-110	20 - 110	200
HD-200	20 - 200	300
HD-200 E	20 - 200	500
HD-250	63 - 250	300
HD-250 IPC	63 - 250	500
HD-250 E IPC	63 - 250	500
HD-315	63 - 315	500
HD-450	140 - 450	550
HD-450 IPC	140 - 450	1000
HD-630 IPC	140 - 630	1200
HD-800 IPC	315 - 800	1500
HD-1200 IPC	315 - 1200	2000

E = European Design IPC = Internal Pipe cooling



TWO AND THREE-LAYER DIE HEAD MODELS

TECHNICAL SPECIFICATION			
Model	Pipe Range (mm)	Layer	Output capacity up to (kg/hr)
CHD - 50	12 - 50	2	200
CHD - 110	20 - 110	2	350
CHD - 110 HV	20 - 110	2	450
THD - 110	20 - 110	3	240
THD - 110 HV	20 - 110	3	400
THD - 250	20 - 250	3	550
THD - 450	90 - 450	3	900

VACUUM SIZING TANK



TECHNICAL SPECIFICATION

Model	Pipe Range (mm)	Cooling Length(mtr)	No of Vacuum Chamber
KVT 75	20 - 75	4 / 6 / 9	1
KVT 110	20 - 110	4 / 6 / 9	1
KVT 200	20 - 200	6 / 9	1
KVT 250	50 - 250	6 / 9	2
KVT 315	50 - 315	6 / 9	2
KVT 400	75 - 400	6 / 9	2
KVT 450	75 - 450	6 / 9	2
KVT 630	110 - 630	6 / 9	2

Note: We provided pinch unit above 250mm in PE pipe size on request

FEATURES:

- Vacuum Sizing Tank is available in mild steel as well as in SS 304.
- Highly intensive cooling is provided to ensure a higher production rate.
- Mechanically sealed water ring pumps to ensure proper vacuum inside the chamber.
- Aluminum cast Lids with rubber sealing to avoid vacuum loss.
- Manual and motorized arrangement with sliding rail for axial and traverse movement of the Tank.
- Dual Vacuum Chamber Tank for easy start-up of pipe and less wastage.
- Precise water level control system.
- Adjustable spray nozzle.
- Water temperature controller with Sensor.
- Special filter for cleaning during operation.



PIPE COOLING TANK / EXTENDED COOLING TANK



FEATURES:

- Extended Cooling Tank available in mild steel as well as in SS 304.
- Easy cleaning of the spray nozzles.
- Manual and effortless height adjustment.
- Lid made of mild steel or SS 304.
- Manual or fixed type structure arrangement depending upon the application.
- Special filter for cleaning during operation.
- Appropriate working platform for ease of operation.

TECHNICAL SPECIFICATION

Model	Pipe Range (mm)	Cooling Length(mtr)
KCT 75	20 – 75	4 / 6 / 9
KCT 110	20 – 110	4 / 6 / 9
KCT 200	20 – 200	6 / 9
KCT 250	50 – 250	6 / 9
KCT 315	50 – 315	6 / 9
KCT 400	75 – 400	6 / 9
KCT 450	75 – 450	6 / 9
KCT 630	110 – 630	6 / 9



PIPE TRACTION / HAUL OFF UNIT

At Kronoplast Extrusion, we engineer downstream solutions adapted to the specific rhythm of your production line. Understanding that different extrusion processes require different traction characteristics, we have developed a versatile range of **Haul-Off / Traction Unit** designed to deliver consistent pulling force and ovality-free output.

Universal Mechanical Features

(Standard on All Units)

- **Multi-Track Options:** Available in 2, 3, 4, 6, and 8-track configurations.
- **Pneumatic Clamping:** Self-adjusting pressure prevents pipe deformation.
- **Durable Tracks:** Wear-resistant, quick-change rubber pads.
- **Vibration-Free:** Heavy-duty steel frame ensures stability.
- **Operator Safety:** Fully enclosed guards with emergency interlocks.
- **Customization:** High-speed modifications available upon request.

Electronic Haul-Off Series (Standard Application)

FEATURES:

Ideal for regular production environments, balancing performance with cost-efficiency.

Key Features:

- **AC Induction Motors:** Paired with VFD for smooth speed regulation.
- **Direct Gear Drive:** Low-maintenance transmission without chains.
- **Steady Traction:** Consistent line speed for standard runs.
- **Cost-Effective:** Economical operation and easy servicing.
- **Simple Controls:** User-friendly speed adjustment interface.

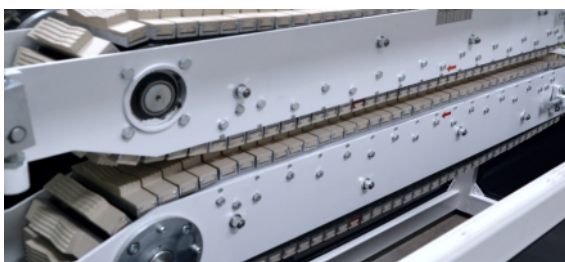
Servo Controlled Series (Precision & Low Speed)

FEATURES:

Engineered for thick-wall pipes and precision applications requiring zero fluctuation.

Key Features:

- **High Torque at Low RPM:** Eliminates stalling at slow speeds.
- **Jitter-Free:** Zero pulsation for uniform wall thickness.
- **Precision Sync:** 1:1 synchronization with extruder screw speed.
- **Wide Speed Range:** Maintains high accuracy across all speeds.
- **Energy Efficient:** Intelligent power consumption reduces costs.



TECHNICAL SPECIFICATION

Model	Pipe Range (mm)	No of Track	Contact Length (mm)
KTU 75	20 – 75	2	550
KTU 110	20 – 110	2	800
KTU 200	20 – 200	2	1200
KTU 250	50 – 250	2 / 3 / 4	1250
KTU 315	50 – 315	3 / 4	1200
KTU 400	75 - 400	4	1600
KTU 450	75 - 450	4	1600
KTU 630	110 - 630	6	1450

Whether you are running a standard PVC conduit line or a heavy-wall HDPE pressure pipe at low speeds, our Haul-Off units are the backbone of a stable extrusion line.

We focus on **zero deformation** and **energy efficiency**, providing you with machinery that minimizes waste and maximizes uptime.

TUBE / PIPE - CUTTING UNIT CONVENTIONAL UNIT (PVC / HDPE)



- Suitable for high-speed cutting of PVC, HDPE, and PPR pipes.
- Equipped with precision encoders for fully automatic length accuracy.
- Features secure pneumatic gripping to eliminate pipe vibration during the cut.
- Designed with a rapid upstroke blade motion for clean and perpendicular edges.
- Compact and reliable design for seamless synchronization with the extrusion line.

TECHNICAL SPECIFICATION

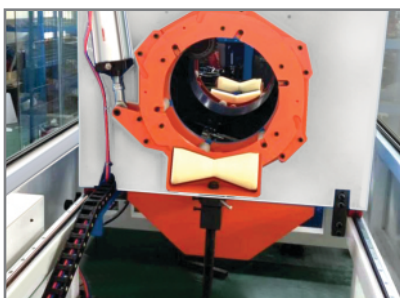
Model	Pipe Range (mm)	Blade Diameter (mm)
KCU 75	20 – 75	350
KCU 110	20 – 110	350
KCU 200	20 – 200	550
KCU 250	50 – 250	630

Note: KCU 315 is available on request.

We recommend the Planetary Unit on or above 315mm Pipe Size.
Side clamping is available on request in KCU 200 / 250 / 315

PLANETARY UNIT (PVC)

- Optimized for large-size PVC pipes with high wall thickness.
- Performs simultaneous cutting and chamfering to produce a professional, beveled pipe end.
- Operates with an automatic orbital motion to ensure a perfectly square cut.
- Uses high-resolution encoders for precise, consistent length control.
- A suction system for efficient removal of chips and particles can be provided.

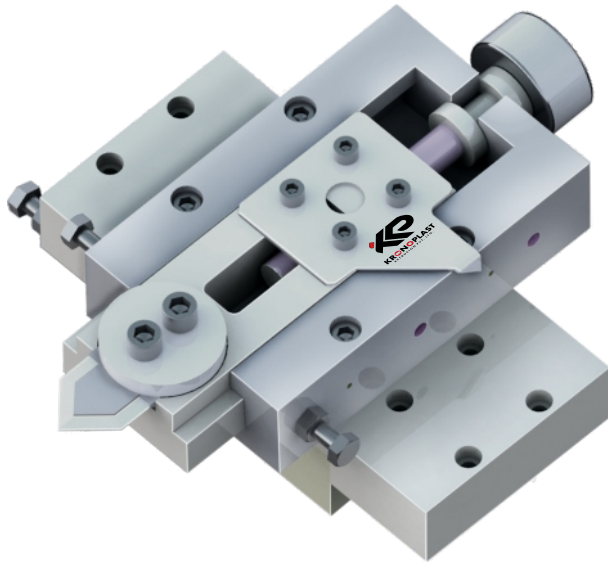


TECHNICAL SPECIFICATION

Model	Pipe Range (mm)	Blade Diameter (mm)
KPU 315	90 – 315	850
KPU 400	110 - 400	200
KPU 630	110 - 630	350

Note: KPU with Universal Clamping Jaw.

TUBE / PIPE - CUTTING UNIT CHIPLESS UNIT (FOR HDPE)



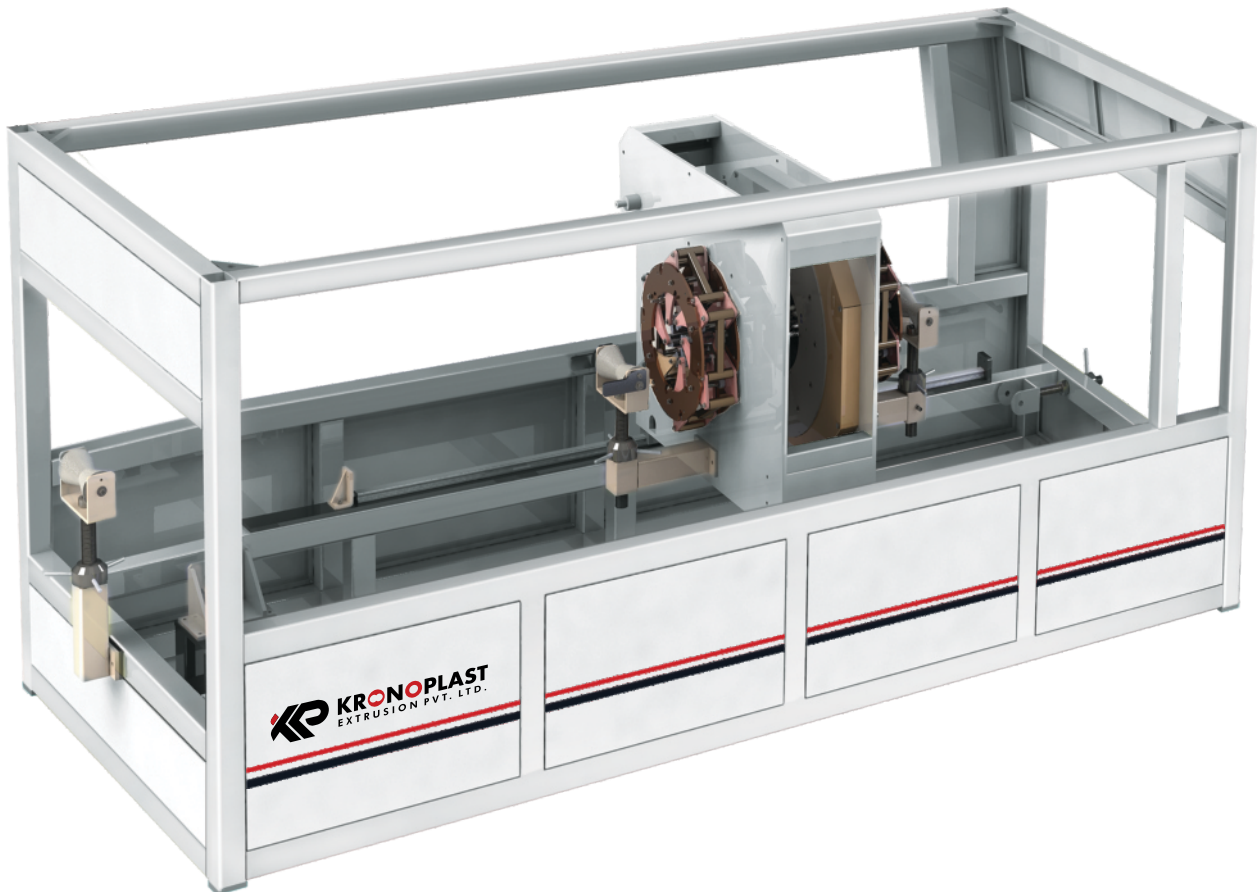
Features a single-point cutting tool operated with high hydraulic force.

- Provides an excellent, mirror-smooth finish without any chips or swarf.
- Delivers almost noiseless operation for a better factory environment.
- Guarantees 100% automatic accuracy via precision encoder feedback.
- Eliminates material waste and the need for secondary deburring or cleaning.

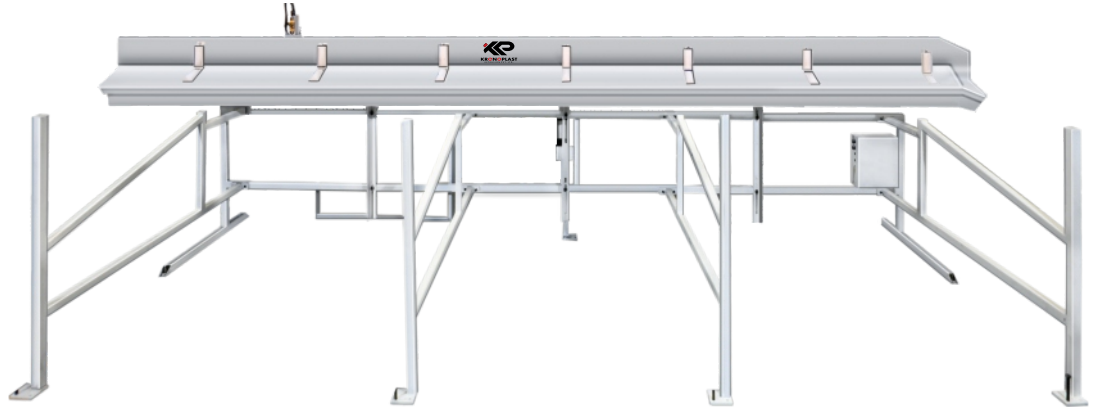
TECHNICAL SPECIFICATION

Model	Pipe Range (mm)
KS 110	20 – 110
KS 250	40 – 250
KS 630	250 – 630

Note: Specification is available on request.



TUBE TILTING UNIT

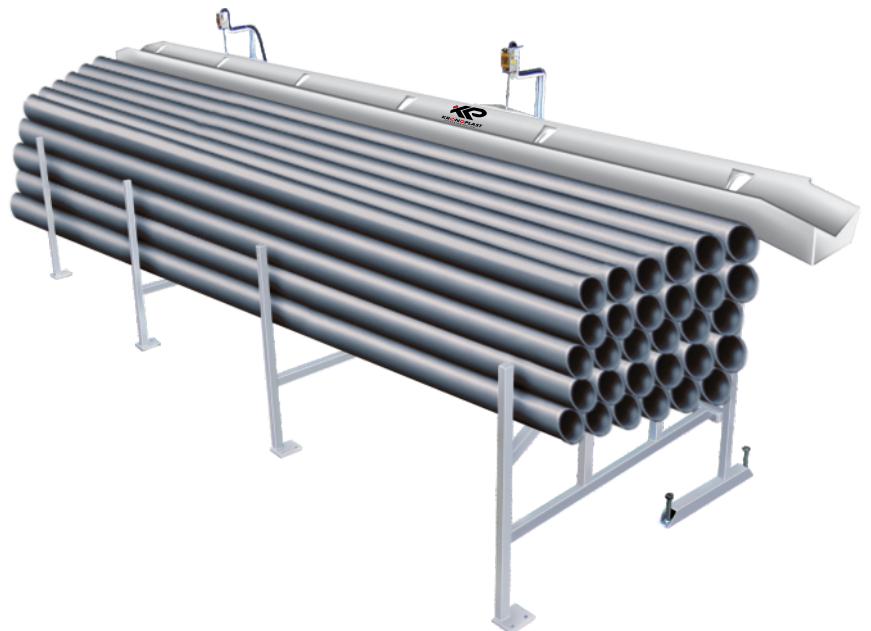


FEATURES:

- Pipe Tilting Unit with sturdy structure.
- Pneumatically operated unit.
- Pipe Resting Platform above 200mm diameter pipe.
- Limit Switch Actuation for proper tilting of pipe.

TECHNICAL SPECIFICATION

Model	Pipe Range (mm)
TILT 110	20 – 110
TILT 200	20 – 200
TILT 250	50 – 250
RCV 315	63 – 315
RCV 400	90 – 400
RCV 630	110 – 630



COILER / WINDER UNIT

FEATURES:

- Sturdy designed single station and dual station Coiler.
- Mechanical Coiler with Ease of Operation.
- Manual traversing unit.
- AC Drive with electrical panel.
- Suitable up to 110mm pipe diameter.

TECHNICAL SPECIFICATION

Model	Pipe Range (mm)
COI 63	20 - 63
COI 110	32 - 110

Engineering the Future of Plastics

Total Extrusion Solutions & Advanced Systems Innovating Beyond Pipes

Kronoplast Extrusion Pvt. Ltd. delivers high-efficiency, turnkey production ecosystems and precision technology backed by decades of expertise.

High-Performance Auxiliary Equipment Ensuring top quality and maximum uptime:

- **Heater Cooler Mixer:** Precise PVC blending and stability.
- **Pulverizers & Grinders:** Efficient material reduction and recycling.
- **Graviomatrix System:** Accurate dosing and material savings.
- **EPC System:** Real-time HDPE process optimization.

Diversified Product Lines Blown Film Plant Extrusion

High-output Mono & Multi-layer lines for packaging and industrial films. Delivers superior thickness control and melt homogenization.



Sustainable Production WINTRIM Online Air-Cooled Granulating

Captures waste trims and re-feeds them as granules. Eliminates waste, reduces costs, and ensures eco-friendly production.



Trusted by Industry Leaders Global Footprint – Served with Excellence

