



extrusion

NOVOMA



We

Novoma Machinery Inc. has an 35 year production experience and was established in 2011 with a new start and name. We are producing; Standard Rubber Extruder, High Performance Rubber Extruders, Haul-Off, Haul-Off with Cutter, Cooling Units, Product Stowage Units, Strip Feeder Units in our 2000m2 production area. We focused our development strategy on extrusion machines from the day we have started and became the first exporter of Turkey in this field of production. Besides, we are doing Research&Development in order to provide high capacity and better performance. We can serve all needs of our clients by way of our technical office and engineers. Our target is to be one of the leading extrusion line manufacturers in the world.

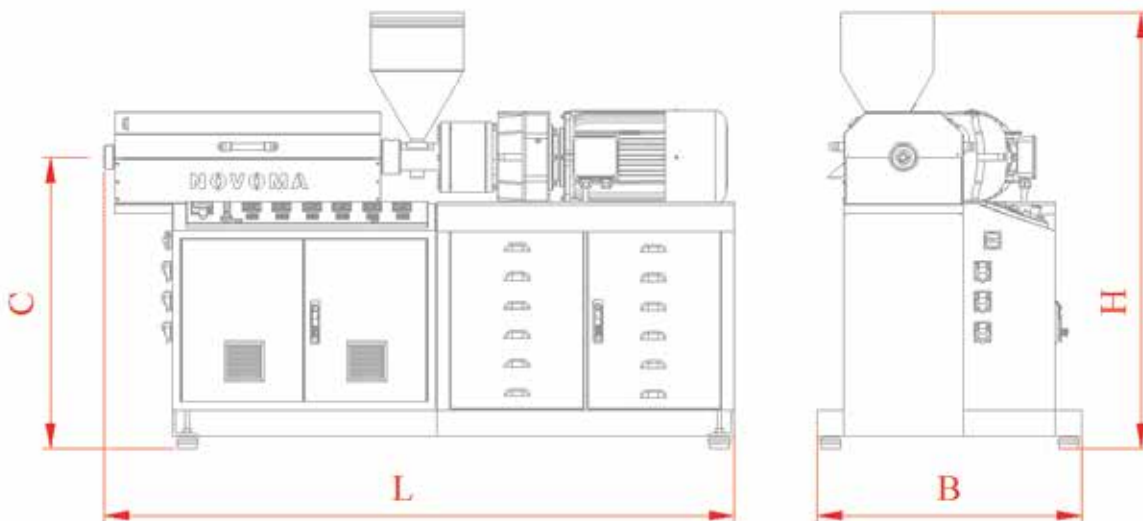




NK

Standard Extruder

NK series rubber extruders are used for rubber and various type of materials such as EPDM, NBR and Neopren material for profile, hose and cord application.



Model	L (mm)	B (mm)	H (mm)	*C (mm)	Av. weight (kg)
NK 45/14D	1760	900	1200	1000	850
NK 60/17D	1850	935	1250	1070	1000
NK 90/17D	2500	1200	1400	1150	2000
NK 120/17D	3300	1600	1470	1150	4000

* Stated axis height (C) and following height (H) can vary according to the conditions of existing line.



range

NK 30/14D
NK 60/17D
NK 90/17D
NK 120/17D

Features

- S** 14D and 17D effective length.
 - S** Nitrided steel barrel and screw hardened with heat treatment.
 - S** Corrosion resistance bimetallic coated screw.
 - S** Corrosion resistance bushing with through hardened tool steel within the barrel.
 - S** Special design screws with different hardness and types that run the rubber materials.
 - S** Screw cooling system with rotary equipment.
 - S** Barrel with cooling system that has perfect effectiveness.
 - S** Head and conical clamping unit providing high security protection.
 - S** Electrical equipments and components in universal standards.
 - S** AC vectorial type speed control unit which could infinitely arrange the screw speed.
 - S** PID sensitive temperature control with SSR (Solid State Relay).
 - S** Minimized energy consumption under optimum working conditions.
 - O** Melt temperature and pressure measuring sensors.
 - O** PLC control system.
 - O** Feeding systems.
- S** Standard **O** Optional

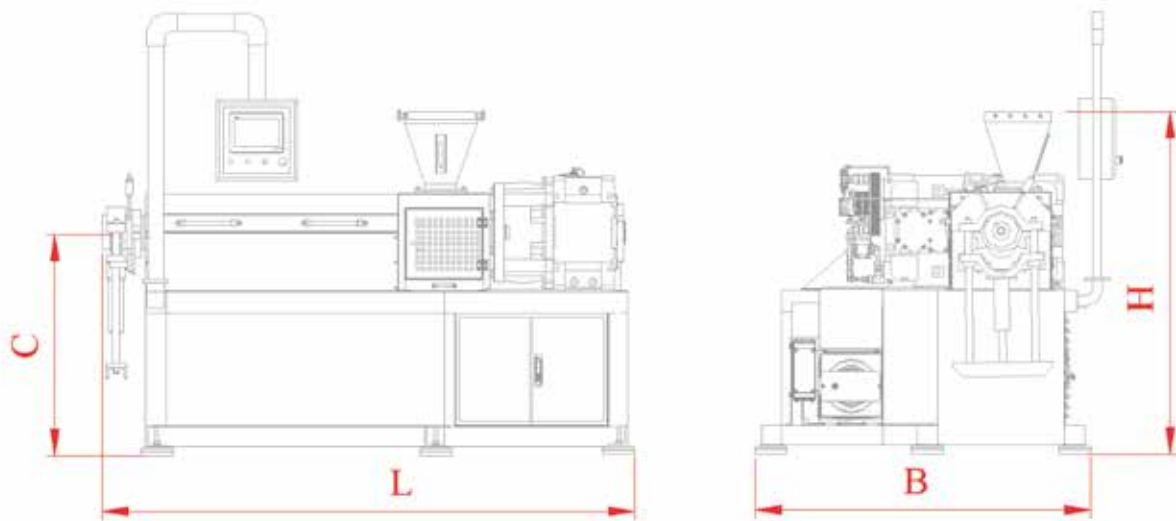
Model	Motor power (kW)	Screw dia. (mm)	L/D	Max screw speed (rpm)	Barrel heat zone	Mold heat zone	* Av. capacity (kg/h)
NK 45/14D	11	45	14	46	2	1	50-70
NK 60/17D	22	60	17	42	2	1	85-105
NK 90/17D	55	90	17	42	3	1	230-270
NK 120/17D	132	120	17	42	3	1	420-580

* Capacity datas can vary according to the density of the material and working conditions. Stated capacity datas is valid when there is no mold, average screw speeds and average density datas.

NKP

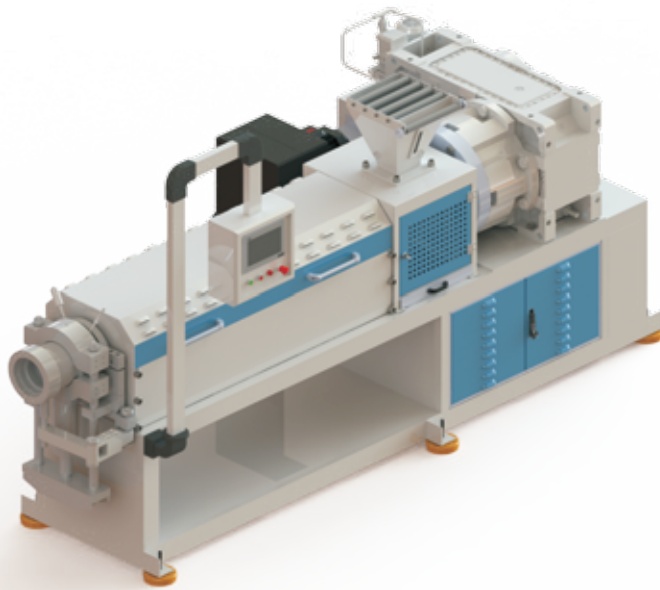
High Performance Extruders

NKP series high performance extruders are generated to provide high capacity and high mixing performance and has following improvements in addition to NK series standard extruders.



Model	L (mm)	B (mm)	H (mm)	*C (mm)	Av. weight (kg)
NKP 45/14D	1450	1150	1725	1100	850
NKP 60/17D	1950	1250	1725	1100	1000
NKP 90/17D	2500	1600	1725	1100	2000
NKP 120/17D	3400	1850	1725	1100	4000

* Stated axis height (C) and following height (H) can vary according to the conditions of existing line.



range

NKP 30/14D
NKP 60/17D
NKP 90/17D
NKP 120/17D

Features

- S** 14D and 17D effective length.
 - S** Nitrided steel barrel and screw hardened with heat treatment.
 - S** Corrosion resistance bimetallic coated screw.
 - S** Corrosion resistance bushing with through hardened tool steel within the barrel.
 - S** Special design screws with different hardness and types that run the rubber materials.
 - S** Screw cooling system with rotary equipment.
 - S** Barrel with cooling system that has perfect effectiveness.
 - S** Head and conical clamping unit providing high security protection.
 - S** New generation barrier type screw that have special design with high mixing performance.
 - S** Electrical equipments and components in universal standards.
 - S** AC vectorial type speed control unit which could infinitely arrange the screw speed.
 - S** PID sensitive temperature control with SSR (Solid State Relay).
 - S** Minimized energy consumption under optimum working conditions.
 - S** Force feeding and extra cooled system providing high capacity performance.
 - S** High performance AC torque motor.
 - S** Horizontal type helical gearbox reducer with special cooling system, high radial load capacity and high torque capability.
 - S** Conical compressive clamping unit with hydraulic unit, security sensor.
 - S** Melt temperature and pressure measuring sensors.
 - S** Security package.
 - S** Feeding hopper.
 - PLC control system.
 - Feeding systems.
- S** Standard **□** Optional

Model	Motor power (kW)	Screw dia. (mm)	L/D	Max screw speed(rpm)	Barrel heat zone	Mold heat zone	* Av. capacity (kg/h)
NKP 45/14D	16	45	14	70	2	1	65-95
NKP 60/17D	33	60	17	65	2	1	100-140
NKP 90/17D	82	90	17	65	3	1	270-330
NKP 120/17D	146	120	17	65	3	1	550-720

* Capacity datas can vary according to the density of the material and working conditions. Stated capacity datas is valid when there is no mold, average screw speeds and average density datas.

NSB

Cooling Unit

NSB series cooling units are designed to cool the products like hose, profile, wick with band type carriage system effectively.

Features

- S** Sensitive servo controlled drive system.
 - S** Single or double conveyor belt system.
 - S** Cooling distribution system with optimum effective exchanger.
 - S** Automatic cabin lids with pneumatic control system and security sensor.
 - S** All stainless material, chassis, body and lid system.
 - S** Router roll systems.
 - S** Practical maintenance and cleaning.
 - S** Perfect sealing.
 - S** Fixed pingo foot and polyurethane wheels.
 - O** Product tension rod control.
 - O** Filter systems.
 - O** PLC control system.
- S** Standard **O** Optional



Model	Motor power (kW)	Max. Band speed (m/dk)	Contact length (mm)	Eff. Cooling length (mm)	Control system	L (mm)	B (mm)	H (mm)
NSB 2000	1	25	200	1750-2000	PLC + Servo	3000	1000	1250
NSB 6000	1,5	25	250	5000-6000	PLC + Servo	7000	1000	1250
NSB 8000	1,5	25	300	7000-8000	PLC + Servo	9000	1000	1250

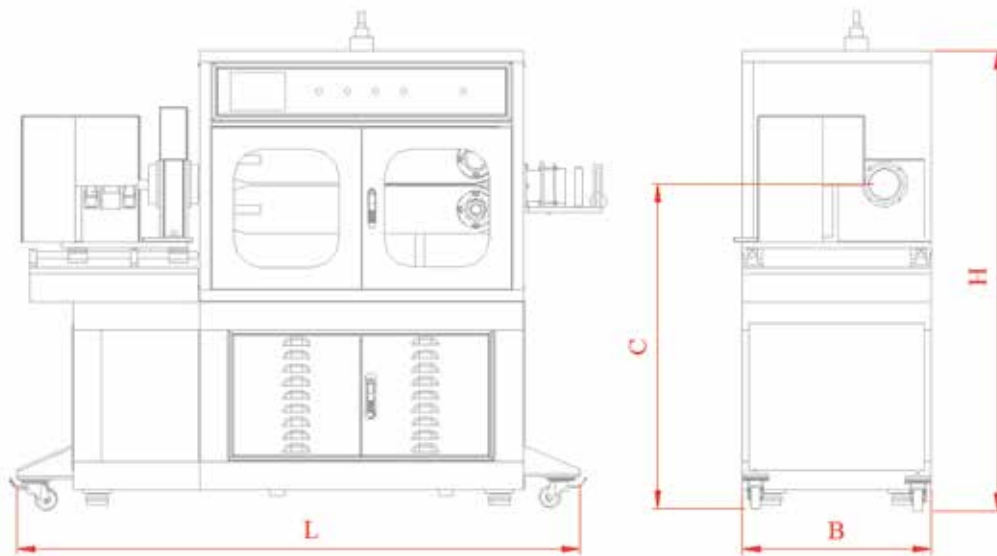
* Stated height (H) can vary according to the conditions of existing line.



NCK

Haul-Off+ Cutter Unit

NCK series band type haul-off and cutter unit are used for meeting the cutter needs for products like small and medium size hoses, profile and wick in required speeds and sizes with optimum sensitivity at sensitive and stable speeds.



Model	L (mm)	B (mm)	H (mm)	C (mm)
NCK 500	1200	500	1450	1050-1100
NCK 800	2000	870	1600	1050-1100



range

NCK 500
NCK 800

Features

- S Band pressing system with sensitive control and hydraulic or manual options.
- S Adjustable axis height system.
- S Poly-V tapes.
- S Practical and easy use.
- S AC speed control unit.
- S Sensitive servo controlled high speed blade system with cooling system.
- S Security package.
- S Low noise and minimum vibration.
- O PLC control unit.
- O Caterpillar type haul-off equipments.

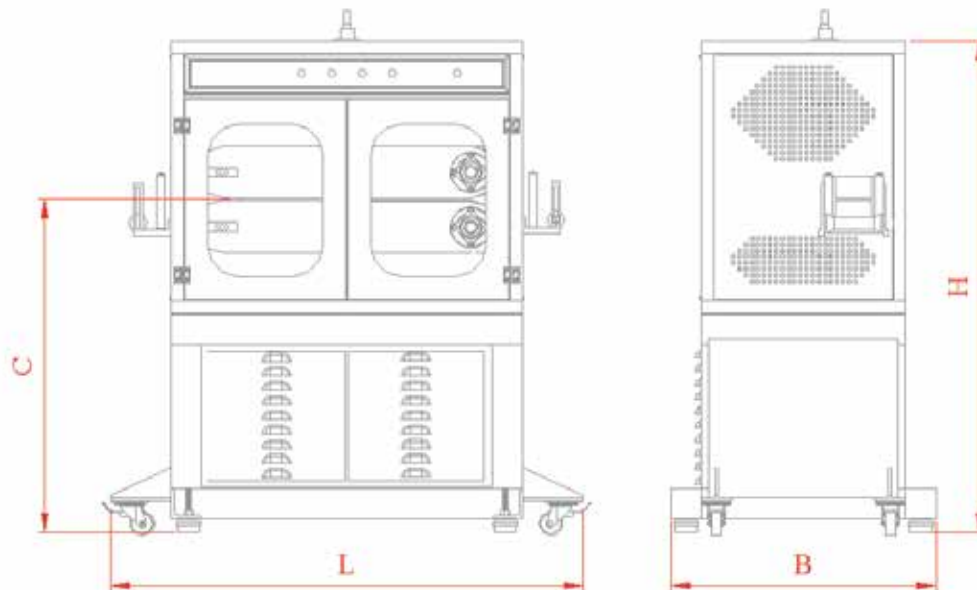
S Standart O Optional

Model	Motor power (kW)	Max. Band speed (m/dk)	Contact length (mm)	Contact width (mm)	Control system	Cutting motor power (kW)	Cutting speed (rpm)	Cutting sens. (mm/m)
NCK 500	0,75	25	500	80	PLC + Servo	2,2	800-2000	±2,5
NCK 800	1,1-1,5	25	800	80	PLC + Servo	2,2	800-2000	±2,5

NCB

Haul-Off

NCB series band type haul-off and cutter unit are used for meeting the cutting needs for products like small and medium size hoses, profile and wick in required speeds and sizes with optimum sensitivity at sensitive and stable speeds.



Model	L (mm)	B (mm)	H (mm)	C (mm)
NCB 500	750	500	1450	1050-1100
NCB 800	1550	870	1600	1050-1100



range

NCB 500
NCB 800

Features

- S** Band pressing system with sensitive control and hydraulic or manual options.
- S** Adjustable axis height system.
- S** Poly-V tapes.
- S** Practical and easy use.
- S** AC speed control unit.
- S** Security package.
- S** Low noise and minimum vibration.
- O** PLC control unit.
- O** Caterpillar type haul-off equipments.

S Standart **O** Optional

Model	Motor power (kW)	Max. Band speed (m/dk)	Contact length (mm)	Contact width (mm)	Control system
NCB 500	0,75	25	500	80	PLC + Servo
NCB 800	1,1-1,5	25	800	80	PLC + Servo



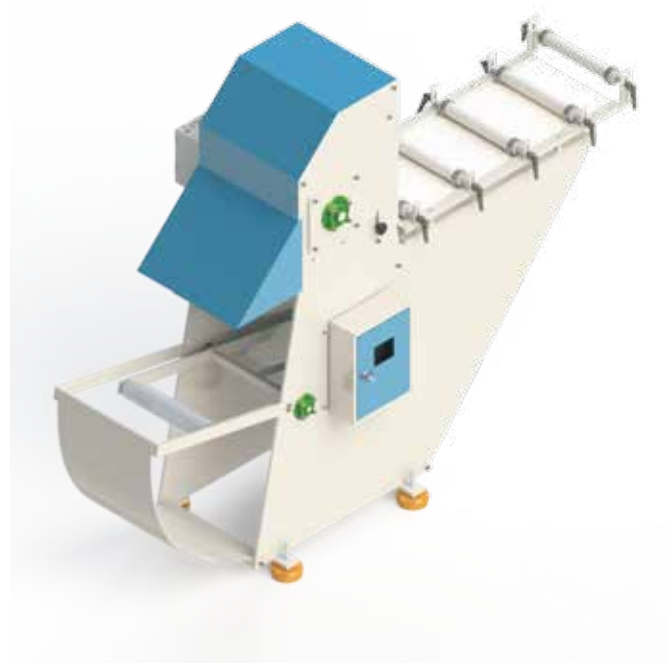
Strip Feeder Unit

NKY series strip feeder units are used for feeding strip type dough bands which are stowed on a pallet or any surface into the extruder system automatically with stable speed and pulling force.

Features

- S** 350mm width raw material conveyance platform.
- S** 80mm-250mm double and triple band feeding.
- S** Import raw material metal sensor.
- S** Raw material band tension control.
- S** Raw material band ending and breakage control.
- S** Security equipments.
- S** Warning devices with light and audio.

S Standard **O** Optional



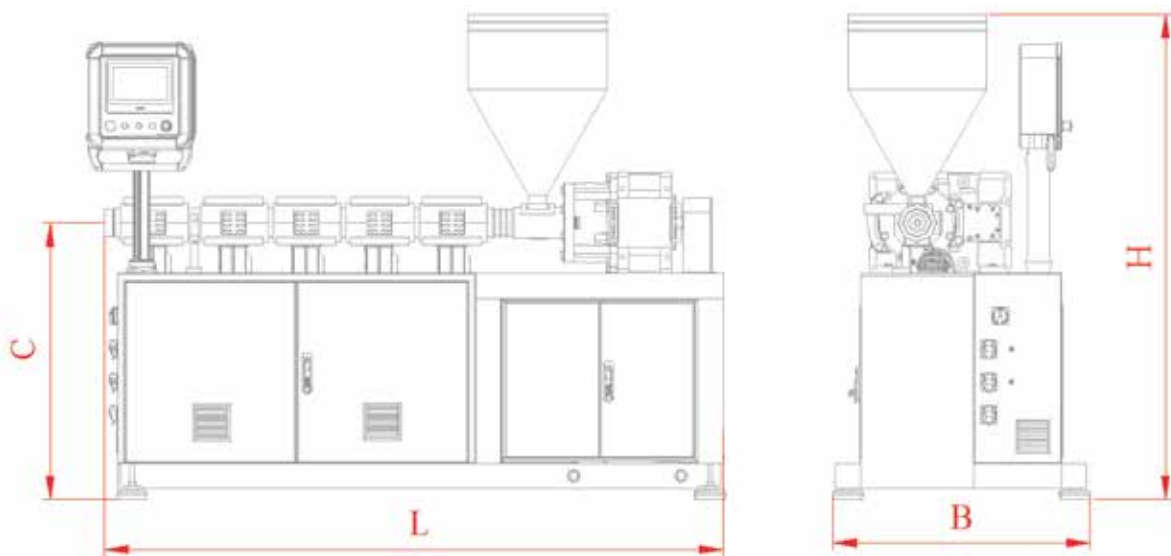
Model	Band width (mm)	Band thickness (mm)	Pulling force	L (mm)	B (mm)	H (mm)
NKY 350	80-250mm	5 - 10	500-800N	2400	690	1870



NTP

TPU Extruder

NTP series TPU extruders are designed to provide high performance and high melt quality in TPU raw material process applications.



Model	L (mm)	B (mm)	H (mm)	*C (mm)	Av. weight (kg)
NTP 45/28D	2000	950	1900	1100	600
NTP 60/28D	2460	1000	1900	1100	900
NTP 75/28D	3050	1050	1900	1100	1650
NTP 90/28D	3650	1100	1900	1100	2000
NTP 120/28D	4600	1800	1900	1100	2700

* Stated axis height (C) and following height (H) can vary according to the conditions of existing line.



range

NTP 45/28D
NTP 60/28D
NTP 75/28D
NTP 90/28D
NTP 120/28D

Features

- S** Standart 28D effective length.
 - S** Nitrided steel barrel and screw hardened with heat treatment.
 - S** EBM barrier type screw with rotary cooling system, specifically designed for TPU process applications.
 - S** Soft channel feeding system providing high performance and linear outout.
 - S** Electrical equipments and components in universal standards.
 - S** Ceramic insulated, energy saver heating resistance with stainless air jacket.
 - S** High performance AC torque motor.
 - S** Horizontal type helical gearbox reducer with special cooling system, high radial load capacity and high torque capability.
 - S** PID sensitive temperature control with SSR (Solid State Relay).
 - S** Minimized energy consumption under optimum working conditions.
 - S** Low noise and minimum vibration.
 - O** Long lasting bimetal barrel and/or screw option.
 - O** Melt temperature and pressure measuring sensors.
 - O** PLC control system.
- S** Standart **O** Optional

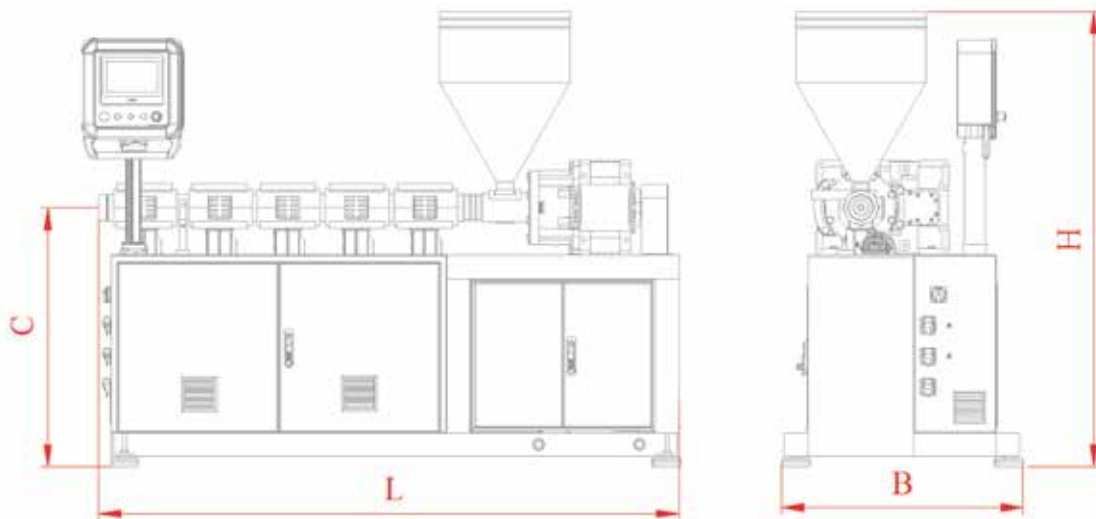
Model	Motor power (kW)	Screw speed (mm)	L/D	Max screw speed (rpm)	Barrel heat zone	Mold heat zone	* Av. capacity (kg/h)
NTP 45/28D	21	45	28	130	4	2	45-55
NTP 60/28D	33	60	28	100	5	2	80-100
NTP 75/28D	53	75	28	80	6	2	130-150
NTP 90/28D	92	90	28	65	7	2	180-210
NTP 120/28D	146	120	28	50	7	2	350-380

* Capacity datas can vary according to the density of the material and working conditions. Stated capacity datas is valid when there is no mold, average screw speeds and average density datas.

NTU

Universal Extruder

NTU series universal extruders are designed universally to be used in extrusion process applications that provides wide variety raw material usage by just changing working conditions with the same extruder (formula informations, temperature values, screw speed etc.) without changing the screw.



Model	L (mm)	B (mm)	H (mm)	*C (mm)	* Av. capacity (kg/h)
NTU 45/28D	2000	950	1900	1100	600
NTU 60/28D	2460	1000	1900	1100	900
NTU 75/28D	3050	1050	1900	1100	1650
NTU 90/28D	3650	1100	1900	1100	2000
NTU 120/28D	4600	1800	1900	1100	2700

* Stated axis height (C) and following height (H) can vary according to the conditions of existing line.

Model	Motor power (kW)	Screw speed (mm)	L/D	Max screw speed (rpm)	Barrel heat zone	Mold heat zone	* Av. capacity (kg/h)
NTU 45/28D	16	45	28	130	4	2	40-65
NTU 60/28D	27	60	28	100	5	2	75-115
NTU 75/28D	43	75	28	80	6	2	115-180
NTU 90/28D	62	90	28	65	7	2	165-255
NTU 120/28D	125	120	28	50	7	2	280-450

* Capacity datas can vary according to the density of the material and working conditions. Stated capacity datas is valid when there is no mold, average screw speeds and average density datas.



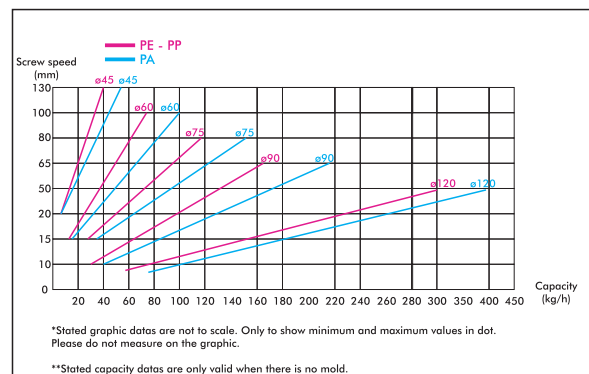
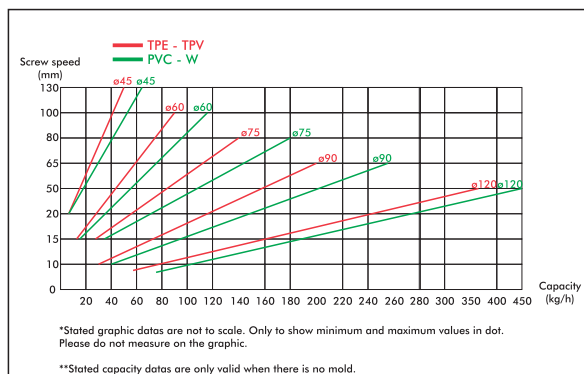
range

NTU 45/28D
 NTU 60/28D
 NTU 75/28D
 NTU 90/28D
 NTU 120/28D

Features

- S** Standart 28D effective length.
 - S** Nitrided steel barrel and screw hardened with heat treatment.
 - S** EBM barrier type screw with rotary cooling system, specifically designed for TPU process applications.
 - S** Soft channel feeding system providing high performance and linear outout.
 - S** Electrical equipments and components in universal standards.
 - S** Ceramic insulated, energy saver heating resistance with stainless air jacket.
 - S** High performance AC torque motor.
 - S** Horizontal type helical gearbox reducer with special cooling system, high radial load capacity and high torque capability.
 - S** PID sensitive temperature control with SSR (Solid State Relay).
 - S** Minimized energy consumption under optimum working conditions.
 - S** AC vectorial type speed control unit which could infinitely arrange the screw speed.
 - S** Low noise and minimum vibration.
 - Y** Long lasting bimetal barrel and/or screw option.
 - Y** Melt temperature and pressure measuring sensors.
 - Y** PLC control system.
- S** Standard **Y** Optional

CAPACITY CHART OF NTU SERIES UNIVERSAL EXTRUDERS



NAT

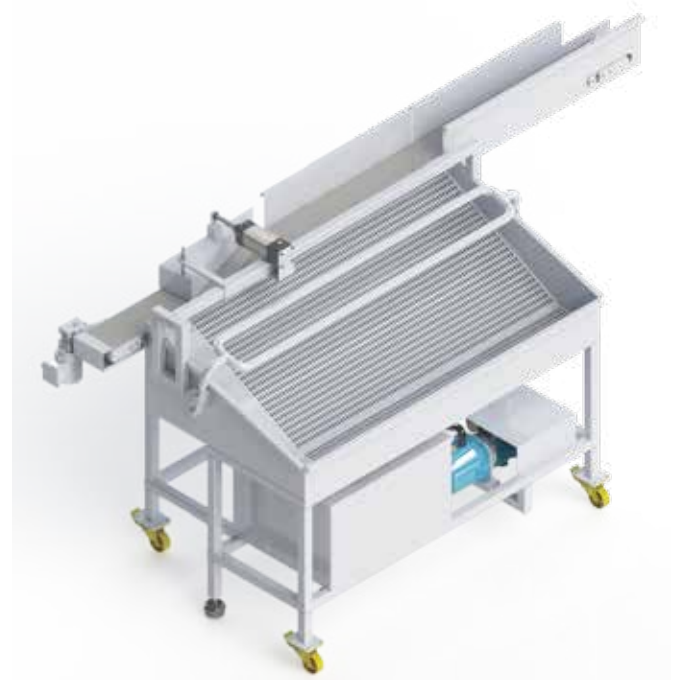
Stowage Unit

NAT series product stowing unit is designed for transferring the product that is cut in a specific length through the carriage band to the stowage unit.

Features

- S** AC speed controlled band system.
- S** Dispersion unit with pneumatic control system.
- S** All stainless material, chassis, body and lid system.
- S** Practical maintenance and cleaning.
- S** Perfect sealing.
- S** Adjustable axis height.
- S** Fixed pingo foot and polyurethane wheels.
- O** Filter systems.
- O** Liquid transfer system.

S Standard **O** Optional



Model	Tank width (mm)	Band width (mm)	Band speed (m/dk)	L (mm)	B (mm)	H (mm)
NAT 1500	1500	120	25	2730	1000	1600

Novoma Machinery Inc.

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The science of **extrusion**.