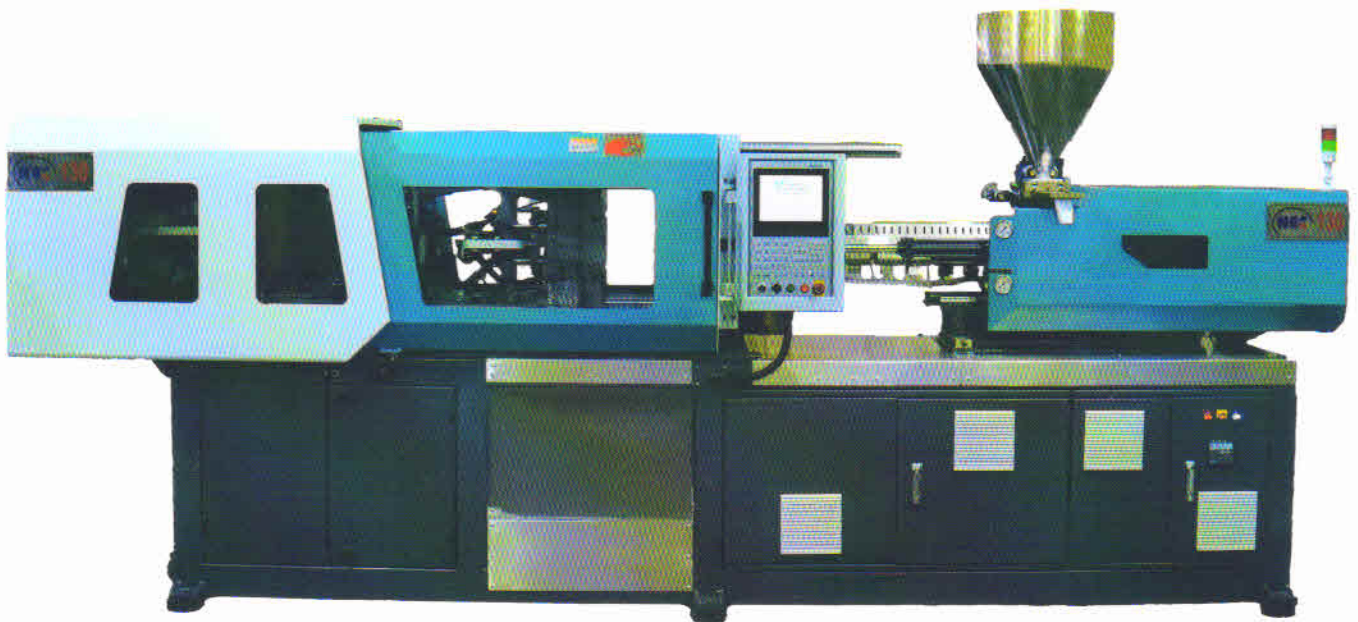


www.necmachinery.com






NEC NARESH
ENGINEERING
CORPORATION

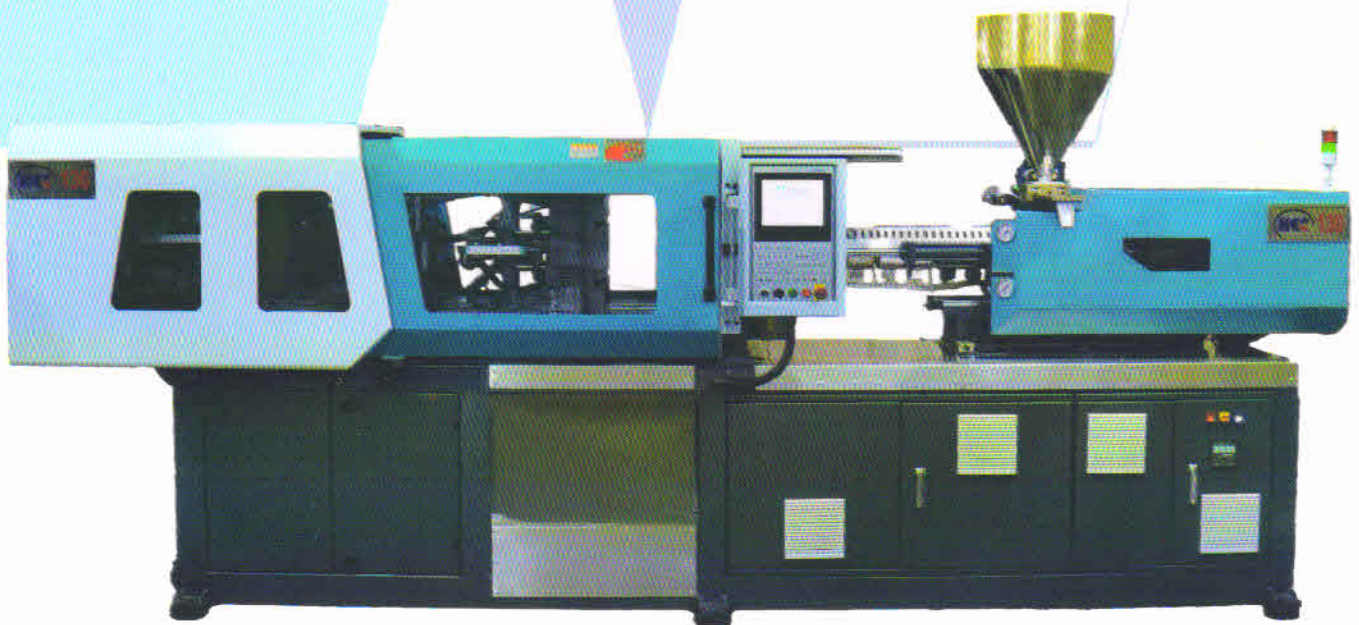


Vision

Vision is an art Industrial art with insight into the unknown world of machinery.

Naresh plastic machine is a pure interpretation of high-quality performance. Endless vision shapes the soul of Naresh plastic machine. Not only that, Naresh embodies the spirit of ingenuity and persistence, which can be realized only by unremitting efforts.

-  Wide application range
-  Precision fast and stable
-  Energy efficiency
-  Durable and reliable
-  Hommization



Application Area

We can solve injection molding problems for you in different industries;



AUTOMOBILE INDUSTRY



HOME APPLIANCE INDUSTRY



STATIONERY & TOY INDUSTRY



ELECTRICAL & ELECTRONICS INDUSTRY



COMMUNICATION INDUSTRY



MEDICAL INDUSTRY



HOUSEHOLD INDUSTRY



CONSTRUCTION INDUSTRY



PACKAGING INDUSTRY

specification		NEC-90			NEC-130		
INJECTION UNIT	UNIT	A	B	C	A	B	C
Screw Diameter	mm	35	38	42	38	42	45
Length to diameter ratio	L/D	23.9	22	19.9	23.9	22	19.9
Shot volume(Theoretical)	CM ³	162	192	235	229	278	320
Injection Weight	g	147	175	213	208	252	291
Injection Pressure	Mpa	240	203	167	228	187	163
Screw Speed	Rpm		185			185	
CLAMPING UNIT							
Clamping Force	KN		1100			1400	
Toggle Stroke	mm		350			380	
Space Between Tie Bars(W*H)	mm		370 X 370			420 X 420	
Max. Mold Height	mm		380			450	
Min. Mold Height	mm		150			160	
Ejector Stroke	mm		100			120	
Ejector Force	KN		38			50	
Number of Ejector	p		5			5	
OTHERS							
Max. Pump Pressure	mpa		17.5			17.5	
Pume Motor Power	KW		13			18	
Heate Power	KW		7.5			9.3	
Machine Dimnesion(LxWxH)	mm		4.35 X 1.35 X 1.9			4.5 X 1.45X 1.91	
Tank Capacity	L		210			250	
Machine Weight	T		4			5	
Temperature Control Area Unmber	p		3+1			3+1	
Nozzle Radius	mm		SR10			SR10	

specification		NEC-270			NEC-300		
INJECTION UNIT	UNIT	A	B	C	A	B	C
Screw Diameter	mm	55	60	65	60	65	70
Length to diameter ratio	L/D	24	22	20.3	23.8	22	20.4
Shot volume(Theoretical)	CM ³	676	805	945	1000	1174	1362
Injection Weight	g	615	733	860	910	1068	1240
Injection Pressure	Mpa	202.3	170	144.9	214	182	157
Screw Speed	Rpm		220			192	
CLAMPING UNIT							
Clamping Force	KN		290			3300	
Toggle Stroke	mm		590			670	
Space Between Tie Bars(W*H)	mm		620 X 620			660 X 660	
Max. Mold Height	mm		630			680	
Min. Mold Height	mm		200			250	
Ejector Stroke	mm		150			160	
Ejector Force	KN		70			62	
Number of thimble	p		05				
OTHERS							
Max. Pump Pressure	mpa		17.5			16	
Pume Motor Power	KW		37			42	
Heate Power	KW		16			22.8	
Machine Dimnesion(LxWxH)	mm		6.62 X 1.70 X 2.36			6.9 X 1.85 X 2.35	
Tank Capacity	L		300			385	
Machine Weight	T		9.5			11.5	
Temperature Zone	p		4+1			4+1	
Nozzle Radius	mm		SR15			SR15	

• Injection unit change is possible as per requirements. • Actual figures may change depending on your final machine configuration.

NEC-160

NEC-200

NEC-250

A	B	C	A	B	C	A	B	C
42	45	50	45	50	55	50	55	60
23.6	22	19.8	24.4	22	20	24.2	22	20.2
320	358	443	445	550	665	589	712	810
291	325	403	405	500	605	536	648	737
222	194	157	207	168	138	205	169	142
	180			180			180	
1700			2300			2800		
435			475			540		
470 X 470			520 X 520			570 X 570		
520			540			550		
180			200			200		
140			140			150		
50			70			70		
5			9			9		
17.5			17.5			17.5		
23			28			30		
12.3			14.8			16.8		
5.37 X 1.39 X 2.10			5.71 X 1.65 X 2.15			6.07 X 1.58 X 2.25		
280			300			380		
6.5			8			9		
3+1			3+1			4+1		
SR10			SR10			SR10		

NEC-350

NEC-450

NEC-550 to N

A	B	C	A	B	C	A	B	C
70	75	80	70	75	80	75	85	95
21.4	20	18.8	22.5	20	19.6	22.6	20	17.8
1501	1723	1960	1443	1657	1885	1856	2383	2977
1366	1568	1784	1313	1508	1715	1689	2169	2709
174	152	133	206	179	158	337	433	541
	172			140			130	
4100			4600			5500		
725			780			900		
730 X 730			780 X 730			880 X 820		
780			750			850		
250			320			350		
150			200			250		
79			125			160		
16			28+28			37+37		
57			36			41		
29.5			8.0 X 2.0 X 1.84			9.1 X 2.2 X 2.2		
7.4 X 1.9 X 2.35								
700								
15			16.3			22		
5+1								
SR15								

TOGGLE INJECTION MOULDING

CLAMPING UNIT

- Five Point Twin Toggle System For Smooth Close/Open Operation
- Moving Platen well supported on base by anti wear Plates
- Mould safety Precise speed, pressure & position control
- High Speed Mould Close to Reduce Cycle Time
- Box Type T slots Platen
- Euro-Map Standard Ejector holes
Mechanical Safety
- Five Stage mould open/close speed, pressure and position control
- Mould height adjustment through sun and planetary gears
- Multi Point Ejector With Speed Pressure & Position Control
- Anti Wear-supporting tracks for moving platen (Lubricated)
- Water flow battery for mould cooling
- Auto lubrication system with Monitoring sensor
- Adjustable Moving Platen Support
- Alloy Steel Chrome Plated Tie Bars
- Automatic Mould Height Adjustment with Proximity switch
- Check Valve for Mould Height Adjustment
- Low Pressure Mould Safety
- Auto Tonnage Through Controller
- Hydraulic Core Pull - 1no Standard
- Air Blast (Pneumatic Ejector) - 1no Standard
- Rigid SG Iron Platens and Toggles

INJECTION UNIT

- Nitrided Screw & Barrel With SKD 61 Screw Tip
- Purge Guard For Operator Protection
- Stainless Steel Hopper
- Nozzle Contract Force Through Non-Return Valve For Carriage Forward
- Multi Stages Speed, Pressure and Position For Injection
- Multi Stages Speed, Pressure and Time For Hold On
- Multi Stages Speed, Pressure and Time For Refilling
- Position, Time Based Switch overs, Hold On Pressure
- Cushion Monitoring By Time/Pressure And Speed
- Linear Transducers For Injection Unit
- Cold Start Protection For Screw
- Linear Transducers For Injection Unit
- Barrel Insulation Cover
- Automatic Purging
- Anti-Slip Cover Over Panel
- Hydro Motor With High Torque
- Suck Back Before And After Charging
- Modular Selection Of Injection Unit
- Injection Unit Speed, Pressure And Position Control Two Stages
- Ceramic Heater Band For Cylinder
- Bimetallic Screw Barrel Optional For High Abrasive Materials
- Screw Speed, Pressure And Back Pressure Control 5 Stages
- Speed Moulding (Intrusion) & Cold Slug Removal
- Nozzle Thermocouple Failure Mode-Machine Operation
- RPVC/CPVC package Optional
- Nozzle Guard For Operator Safety
- Reduction In Temperature Setting While Machine Not In Operation
- Injection Speed And Control Precise Control
- Water Cooling For Feed Throat
- Proportional Back Pressure Control Through Screen
- Screw Speed Display On Screen Through Sensor

HYDRAULICS

- Oil Temperature Sensor Value Displayed On Screen
Along With Alarm Interface
- Oil Level Sensor
- Suction Filter For Pump Unit
- Return Line Filter
- High Quality Gear Pump
- Plated Hydraulic Blocks
- Quick Response Servo Hydraulics
- Oil Tank With Cover For Easy Access To Clean
- Fully Closed Tank Ensure Dust Free Oil

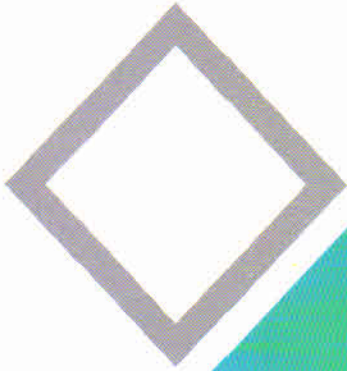
ELECTRONICS

- Preset - Technical Parameter
- Auto Lock Screen Saver Function
- Multi Colour Display Graphic
- Mould Parameter Memory Of 200 Moulds
- Moulding Condition Monitoring With alarm
- Air Filter For Control Panel
- Barrel Temperature Control Monitoring And Precise Fuzzy Control
- Thermocouple Break Alarm
- System Hardware I/O Testing Function
- Emergency Stop Safe Guard Device
- Multi Colour Alarm Lamp
- Motor Over Load Protection
- Display For Various Alarm
- Front & Back Door Emergency Switch
- Safety Relay Monitoring For Front Safety Door
- Hourly Production Monitoring
- Heater Control Through SSR
- USB Interface For Data Storage
- Process Data Display (Graphical)
- Multi Level Password Protection
- Hardware Key Lock As Standard

GENERAL

- Set Of Spares
- High Quality Ant Vibration Pads
- Standard Colour
- Mould Clamps
- Part Drop Sensor With Photocell Assembly
- Separate Drive Cabinet For Controls And Drive
- Set Of Outlet For 3 Phase - 1 No

www.necmachinery.com



NEC NARESH
ENGINEERING
CORPORATION



For Website



For PDF Catalogue

Corporate Office :

62-A, Badli Extn. (Near Outer Ring Road),
Badli Village, New Delhi-110042

Mob : +91-9810654362, 9910654362

Works:

E-112, Sector-2, DSIIIDC Industrial Area,
Bawana, Delhi-110039

Mob: +91-9310654362

Ph: 011-42754362, 41654362

E-mail : info@necmachinery.com

Service Networks :

Delhi, Chennai, West Bengal