TECHNOVATION INTERNATIONAL
PRECISION MACHINERY MANUFACTURER

www.technovation.co.in

Works :Plot No. 11, Nepco Compound, 20/4, Mathura Road, Faridabad - 121006, Haryana (India)
Mobile: 9910178880, 9821129905
Regd. Off.:Excel-502, Imperial Estate, Sec-82, Faridabad
Facebook:facebook.com/technovationindia
Web:www. technovation.co.in
http://www.indiamart.com/technovationinternational/

Sales Partner :

Regional Offices

* **Ahmedabad** * **Bengaluru** * **Pune**

TECHNO-MEPER™

AN-Series

AUTOMATIC
SERVO PLASTIC INJECTION MOLDING MACHINE
AND AUTOMATION SYSTEMS

TECHNOVATION INTERNATIONAL

PRECISION MACHINERY MANUFACTURER

www.technovation.co.in

www.technomeper.com

TECHNO-MEPER
IMM

PLASTIC INJECTION MOLDING MACHINE

ABOUT US

TECHNOVATION INTERNATIONAL was Established in the year 2015 at Faridabad (Haryana, India), We are engaged in manufacturing & importing a wide range of Servo Plastic Injection Molding Machine, Quick Mould Change System (Hydraulic / Magnetic), Bi Metal Screw Barrel, Servo Systems, Servo Robots and all types of Auxillaries. Our mission is to provide world class product with efficient after sales service network.
The company was founded by Mr. Kamal Agarwal (B.tech., MBA Mktg.) and Mrs. Priyanka Agarwal (MBA HR) in 2015 keeping in mind to provide one stop solution for all plastic molders in the field of plastic processing machinery.

Mr. Kamal Agarwal has worked in various MNCs till march 2015 and well known face in plastic molding industry. He gathered appreciation for his work all around India and Abroad. His major experience is in machinery (CNC and Plastic Molding) and has established many brands from all over the world. In his leadership, TechnoMeper has become one of the top three brand of Plastic Injection Molding machine in Delhi NCR

Mrs. Priyanka Agarwal has worked in HR till 2015 and now is proprietor of Technovation International. She is also Heading HR and Admin Department in the Company.

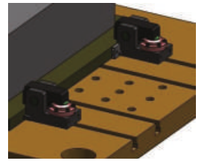
TECHNOVATION

TECHNO-MEPER

Other Products

HYDRAULIC QUICK MOLD CHANGE SYSTEM – TECHNO- HQMC

- Mold changing time can be reduced by 70% as compared to traditional system.
- One person is enough to change the mold.
- Highly safe and secure for operators.
- Most economical solution for Molding Machines having T-slot Platens.



PICK AND PLACE SERVO ROBOTS -TECO SMART ROBOT

- Single and three axis Servo Robots.
- Sprue Pickers (Swing Arm Robots)
- End of Arm Tooling (EOAT)
- Online degating unit and Static Control

TECHNO-MEPER

TM-AN

TECHNO-MEPER

AUTOMATIC SERVO INJECTION MOLDING MACHINE WITH SQUARE PLATEN AND LARGER SHOT WT.

Totally Enclosed Design
High-safety

Larger Space Between Tie-Bars
Greater adaptability

Modern Control Technology,World famous brands controller
fast response speed,easy for operation

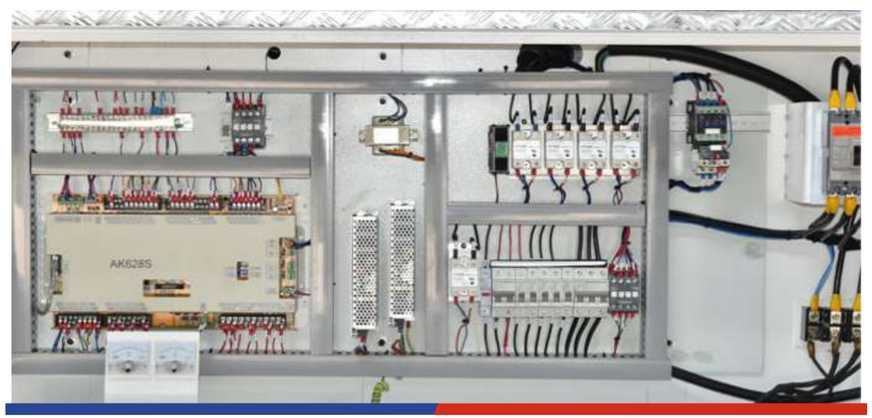
Precision Clamping Unit,Adopt 5 points elbows and hydraulic
mechanical drive technology

- World Famous Brands Electric Parts
  Stable operation

- High-Performance Injection Unit
  Double cylinder injection system, high injection efficiency maximize control of the precison

TECHNO-MEPER

TM-AN



STANDARD OUTFIT

BILL OF MATERIALS

PLC AND SERVO - TECHMATION OR INNOVANCE
ELECTRICALS - TAIWAN MAKE
VALVES - TOKYO-KEIKI
HYDROMOTOR - INTERMOT
AUTO DIE HIEGHT ADJUSTMENT MOTOR - TAIWAN
HOSE PIPES - PARKER
LINEAR SCALES - GEFRAN

DISTINGUISH FEATURES

BIMETAL SCREW
JAPANESE GRADE STEEL IN TOGGLE AND PLATEN
GRAPHITE BUSH IN TOGGLE
T SLOT PLATEN
ROBOT PROGRAM
UPS FOR PLC
DOUBLE CORE PULL BLOCK
SINGLE AIR BLAST
8.4/10 INCH DISPLAY
ALL SAFETY CONTROLS WITH ADVANCED FEATURES

HYDRAULIC UNIT

HYDRAULIC CIRCUIT DESIGNED TO MEET INTERNATIONAL SAFETY STANDARDS.
NO WELDING PIPE IN ORDER TO ACHIEVE STABLE AND RELIABLE MAINTENANCE
AUTO READ OIL TEMPERATURE.
ADOPT INTERNATIONAL WELL - KNOWN HYDRAULIC COMPONENTS.

CLAMPING PART

TIE BAR ADOPT SURFACE HARD CHROMIUM PLATING PROCESSING WITH JAPANESE GRADE STEEL.
AUTOMATED CENTRALIZED LUBRICATION SYSTEM.
SYNCHRONOUS GEAR MOLD ADJUSTMENT.
SENSOR FEET CONNECTING THRUST BLOCK.
OPTIMIZATION DESIGN OF TOGGLE STRUCTURE, CLAMP OF OPENING AND CLOSING FAST AND SMOOTH.

INJECTION UNIT

DOUBLE GUIDE BARS IMPROVE INJECT TECHNOLOGY
HIGH SPEED HYDRAULIC MOTOR FOR SCREW.
SCREW BARREL DEMOLISHING VERTICALLY MAKES IT EASY TO REPLACE.
INJECTION, HOLDING PRESSURE CLOSED - LOOP CONTROL AND PRECISE BACK PRESSURE CONTROL.
HIGHEST LENGTH MECHANICAL STRUCTURE DESIGN, KEEPING CASTING PRECISION.
LOW SPEED AND HIGH TORQUE HYDRAULIC MOTOR DRIVE SCREW ROTATION, EXCELLENT PERFORMANCE OF PLASTIC.
OPTIMIZED DESIGN OF SCREW, WIDE RANGE OF MATERIALS.

TECHNO-MEPER

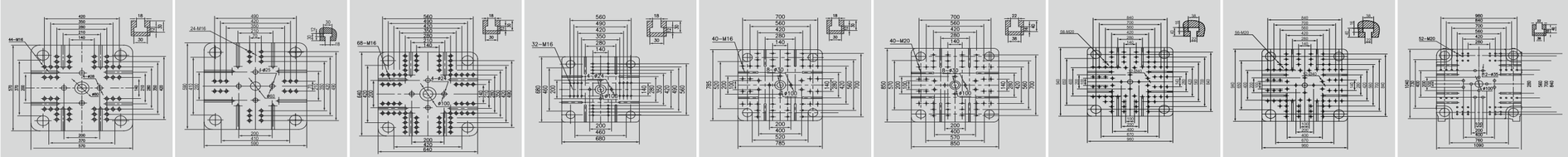
AN Series

AN Series Technical Specification

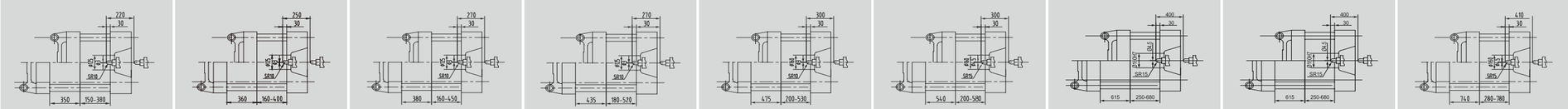
TECHNO-MEPER

MODEL / PARTS		TM100AN			TM120AN			TM140AN			TM170AN			TM230AN			TM270AN			TM320AN			TM360AN			TM400AN		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT																												
Screw Diameter	mm	35	38	42	35	38	42	38	42	45	42	45	50	45	50	55	50	55	60	55	60	65	65	70	75	65	70	75
Screw L/D Ratio	L/D	22.8	21	19	22.8	21	19	22.1	20	18.7	23.5	22	19.8	23.4	21	19.1	25.2	22.9	21	22.9	21	19.4	22.5	21	19.6	22.5	21	19.6
Shot Volume Theoretical	cm^3	163	192	235	163	192	235	226	277	318	311	357	441	397	490	593	530	641	763	641	763	945	1161	1347	1546	1161	1347	1548
Injetion Weight PS	g	148	175	213	148	175	213	206	252	289	283	325	401	362	446	540	482	583	694	583	694	860	1057	1226	1407	1067	1226	1407
Injection Pressure	Mpa	219	186	158	219	186	158	209	171	149	203	177	143	207	168	138	205	169	142	169	142	143	208	180	156	208	180	156
Injection Rate	g/sec	90	104	128	90	108	128	94	115	132	13	160	196	124	154	186	187	227	270	227	270	312	337	368	422	337	368	422
Screw Speed	rpm	205			220			220			200			175			185			185			155			155		
CLAMPING UNIT																												
Clamp Tonnage	KN	1000			1200			1400			1700			2300			2700			3200			3600			4000		
Toggle Stroke	mm	350			360			380			435			475			540			615			615			740		
Min.Mold Height	mm	150			160			160			180			200			200			250			250			280		
Max.Mold Height	mm	380			400			450			510			530			580			680			680			780		
Space Between Tie Bars	mm	370 x 370			410 x 410			420 x 420			460 x 460			520x520			570 x 570			670 x 650			670 x 650			760 x 730		
Platen Size	mm	570 x 570			590 x 590			640 x 640			680 x 680			785 x 785			850 x 850			950 x 950			960 x 940			1090 x 1040		
Ejetor Tonnage	KN	30			30			50			50			70			70			90			90			150		
Ejector Stroke	mm	100			100			120			135			140			150			100			160			200		
POWER																												
Max.Pump Pressure	Mpa	16			16			16			16			16			16			16			16			16		
Hwater Power	KW	7.55			7.55			9.3			12.3			14.8			16.8			18.3			24.6			24.6		
Servo Motor Power	KW	11			14			14			21			28			33			33			43			43		
Oil Tank Cubage	L	190			220			270			300			300			380			450			600			650		
Machine Dimension LXWXH)	M	4.2 x 1.2 x 1.79			4.4 x 1.2 x 1.80			4.48 x 1.33 x 1.90			5.04 x 1.43 x 2.12			5.68 x 1.50 x 2.14			5.90 x 1.60 x 2.25			7.1 x 1.9 x 2.34			7.1 x 1.9 x 2.34			7.24 x 1.88 x 2.41		
Machine Weight	T	3.5			3.8			4.3			6			7			8.5			11.5			12.5			15		

Platen dimensions(Facing)



Platen dimensions(Aside)



TM-100AN | TM-120AN | TM-140AN | TM-170AN | TM-230AN | TM-270AN | TM-320AN | TM-360AN | TM-400AN

We reserve the right to make any product improvement or change machine specifications without prior notice

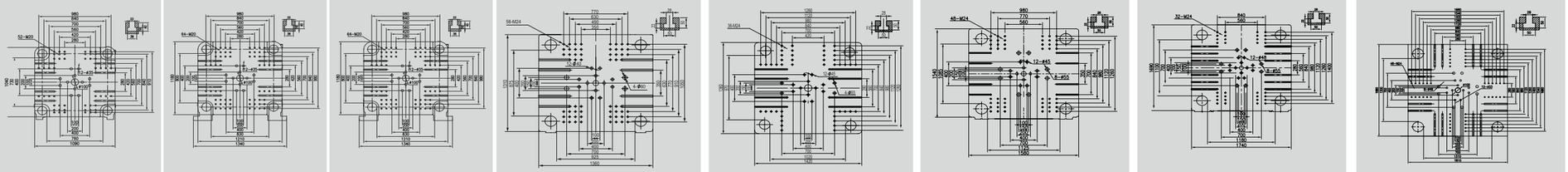
AN Series

AN Series Technical Specification

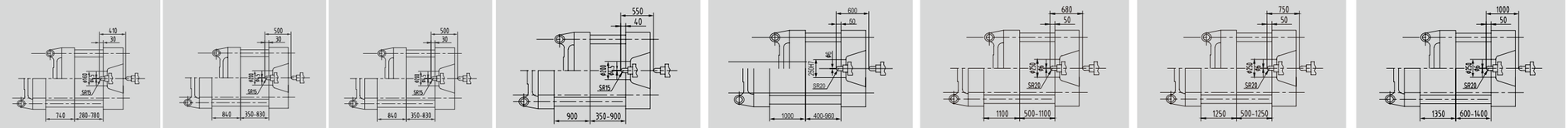
TECHNO-MEPER

PARTS \ MODEL		TM450AN			TM500AN			TM530AN			TM650AN				TM800AN				TM1000AN				TM1200AN				TM1400AN			
			B	C	A	B	C	A	B	C	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
INJECTION UNIT																														
Screw Diameter	mm		75	80	70	75	80	80	85	90	90	95	100	105	90	95	105	110	90	100	110	115	110	115	120	125	110	120	130	140
Screw L/D Ratio	L/D		20.5	19.2	22	20.5	19.2	22.3	21	19.8	20.4	19.4	18.4	17.5	23.2	22	19.9	19	25.5	23	20.9	20	23	22	21	20.2	25.7	24	22	20
Shot Volume Theoretical	cm^3	1500	1723	1960	1500	1723	1960	2210	2495	2797	2544	2835	3141	3663	2926	3260	3983	4371	2920	3610	4369	4778	5270	5760	6372	6805	6271	7463	8759	10158
Injetion Weight PS	g	1365	1568	1784	1365	1568	1784	2011	2270	2545	2315	2580	2858	3151	2663	2967	3624	3978	2670	3300	3980	4325	4796	5242	5707	6193	5706	6791	7970	9243
Injection Pressure	Mpa	199	173	152	199	173	152	188	167	149	184	165	149	135	195	175	143	130	216	176	146	133	186	170	156	144	208	175	150	129
Injection Rate	g/sec	335	384	437	335	384	437	442	499	560	552	612	679	748	574	640	781	859	580	717	867	948	793	867	944	1024	815	970	1138	1320
Screw Speed	rpm	150			150			120			145				125				100				90				90			
CLAMPING UNIT																														
Clamp Tonnage	KN	4500			5000			5300			6500				8000				10000				12000				14000			
Toggle Stroke	mm	740			840			840			900				1000				1100				1250				1350			
Min.Mold Height	mm	280			350			350			350				400				500				500				600			
Max.Mold Height	mm	780			830			830			900				960				1100				1250				1400			
Space Between Tie Bars	mm	760 x 730			830 x 800			830 x 800			925 x 875				1020 x 970				1125 x 1085				1180 x 1100				1310 x 1300			
Platen Size	mm	1090 x 1040			1340 x 1180			1340 x 1180			1310 x 1360				1360 x 1420				1540 x 1580				1690 x 1740				1880 x 1810			
Ejetor Tonnage	KN	150			150			150			150				210				216				245				260			
Ejector Stroke	mm	200			240			340			335				300				335				325				360			
POWER																														
Max.Pump Pressure	Mpa	16			16			16			16				16				16				16				16			
Hwater Power	KW	28.7			28.7			32.6			46				54.3				59				66.1				86			
Servo Motor Power	KW	56			56			28+36			43+36				43+56				43+56				56+56				43+43+43			
Oil Tank Cubage	L	700			700			800			1100				1200				1400				2100				2900			
Machine Dimension LXWXH)	M	7.84 x 1.88 x 2.41			8.54 x 2.05 x 2.3			8.74 x 2.05 x 2.3			10.2 x 2.25 x 2.71				11.8 x 2.24 x 2.71				12.1 x 2.64 x 3				12.54 x 2.66 x 3.27				15.2 x 3 x 4.13			
Machine Weight	T	15.4			18			20			28				37				48				55				90			

Platen dimensions(Facing)



Platen dimensions(Aside)



TM-450AN | TM-500AN | TM-530AN | TM-650AN | TM-800AN | TM-1000AN | TM-1200AN | TM-1400AN

We reserve the right to make any product improvement or change machine specifications without prior notice