

NG THREAD ROLLERS



NG Machines are compact, fast, flexible, and can handle small or large lots of various sized product ranging from M1 up to M16. Machines are equipped with patented Direct Drive gear-less technology, high precision Linear Motors, easy-to-use Auto set-up for quick, repeatable set-up and optional Die matching adjustment.



	Max. thread diameter	Max. thread length	Max. blank length	*Dies	WF	**Speed	Option
	mm	mm	mm	mm	N°	P/min.	
NGS	5	40	80	70 x 83	0	700	Adjustable stroke
NGSL	6	50	80	85 x 95	1015	600	Adjustable stroke
NG 10	8	80	140	115 x 130	10	450	
NG 20	10	80	160	150 x 170	20	300	Adjustable stroke
NG XL	12	100	160	190 x 210	30	180	Adjustable stroke
NG XXL	14	120	200	230 x 255	40	170	Adjustable stroke

*Die dimensions are designated by: Stationary Die Length x Movable Die Length

**Actual speeds may vary based on part size, shape, material, and rate of feeder

NG MAXI THREAD ROLLERS



NG MAXI series of thread rolling machines guarantee the best performance in Hi Tensile and hardened part threading in diameters from M8 up to M48. Machines are equipped with patented **Direct Drive** gear-less technology, high precision **Linear Motors**, easy-to-use **Auto set-up** for quick, repeatable set-up and options for **Die matching** adjustment. These features are enhanced by an extremely strong frame providing total stability during the roll forming process and a dramatic reduction in die wear.



	Max. thread diameter	Max. thread length	Max. blank length	*Dies	WF	**Speed	Option
	mm	mm	mm	mm	N°	P/min.	
NGW 40	16	150	200	230 x 255	40	170	
NGW 50	24	200	300	280 x 305	50	140	
NGW 60	30	200	300	381 x 406	60	115	Adjustable stroke
NGW 70	36	200	300	480 x 530	70	90	
NGW 100	48	100	400	660 x 686	100	60	

*Die dimensions designated by: Stationary Die Length x Movable Die Length

**Actual speeds may vary based on part size, shape, material, and rate of feeder

Adjustable Stroke TM is a unique SMART Machinery technology that enables the same machine model to carry different die dimensions.

TECHNOLOGY



Patented Direct Drive motors – Capable of providing the maximum torque from 0 speed. Direct Drive motors eliminate the traditional belt, gear transmission & flywheel, typical of the traditional machines, without any power loss. Having less parts also eliminates wear and maintenance. Another important advantage is the energy savings characteristic of this technology.



Patented Servo Linear Introduction – in addition to the advantage of greater simplicity, offers a 0.01 mm precision blank position control throughout the entire machine cycle. Introduction adjustments are made through the control screen and adjusts to the diameter of the part and controls how hard the part is pushed into the dies.



Auto-Setup – dedicated software that allows for job storage of over 2000 programs and the technology for quick setup of several functions such as Die Match, Injector position, and vertical position of rails and vibe bowl.

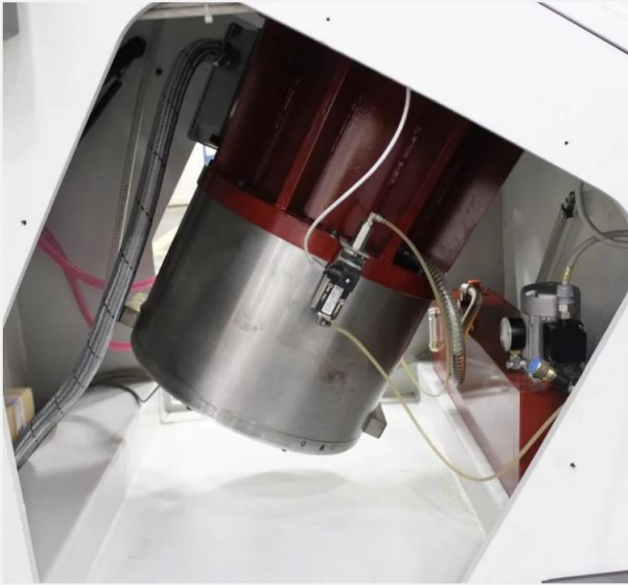


RNG Machines are compact, fast, flexible, and can handle small or large lots of various sized product ranging from M6 up to M24. Machines are equipped with patented Direct Drive gear-less technology, high precision Linear Motors, Die matching adjustment, and easy-to-use Auto set-up for quick, repeatable set-up.



	Max. thread diameter	Max. thread length	Max. total length	Speed	Tool size	
					O.D. sector	Roller I.D.
	mm	mm	mm	P/min	mm	mm
RNG	14	60	160	500	up to 420	127
RNG MAXI	24	100	200	300	up to 420	127

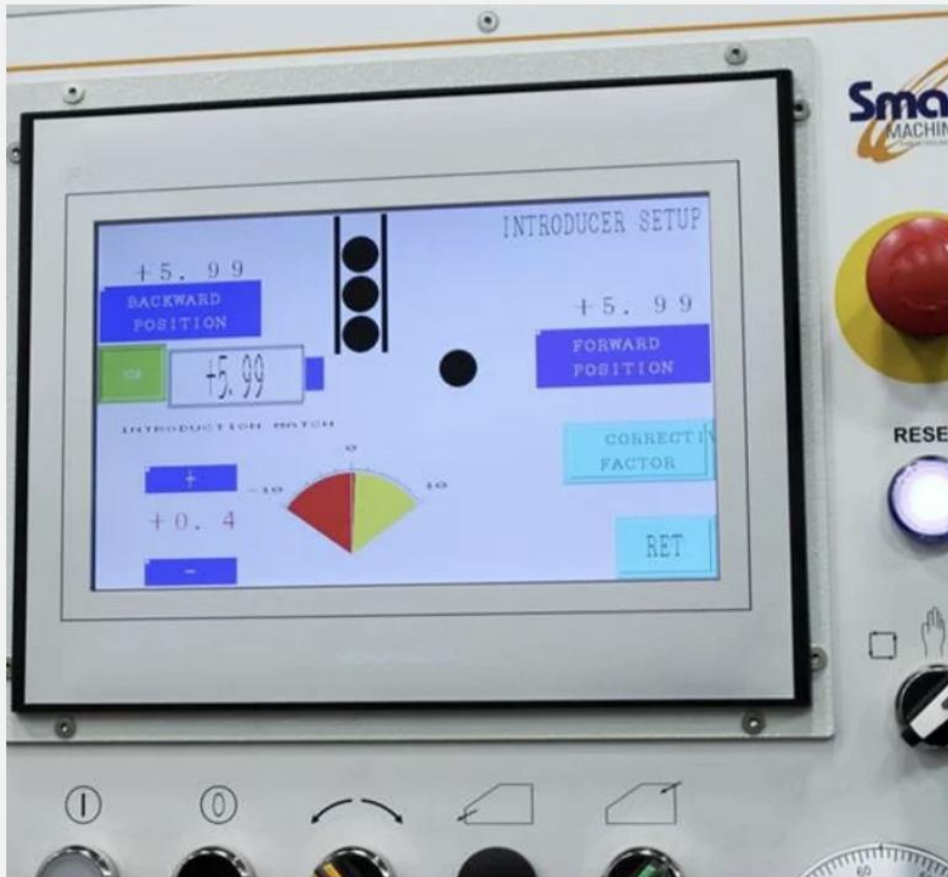
TECHNOLOGY



Patented Direct Drive motors – Capable of providing the maximum torque from 0 speed. Direct Drive motors eliminate the traditional belt, gear transmission & flywheel, typical of the traditional machines, without any power loss. Having less parts also eliminates wear and maintenance. Another important advantage is the energy savings characteristic of this technology.



Patented Servo Linear Introduction – in addition to the advantage of greater simplicity, offers a 0.01 mm precision blank position control throughout the entire machine cycle. Introduction adjustments are made through the control screen and adjusts to the diameter of the part and controls how hard the part is pushed into the dies.



Auto-Setup – dedicated software that allows for job storage of over 2000 programs and the technology for quick setup of several functions such as Die Match, Injector position, and vertical position of rails and vibe bowl.



NP Pointing Machines are compact, fast, flexible, and can produce points with different angles starting from M3 up to M36 and with special tools it is possible make holes. Machines are equipped with patented Direct Drive gear-less technology, high precision Linear Motors, and easy-to-use Auto set-up for quick, repeatable set-up. An improved spindle now makes it is possible to produce grooves and shaped forms.

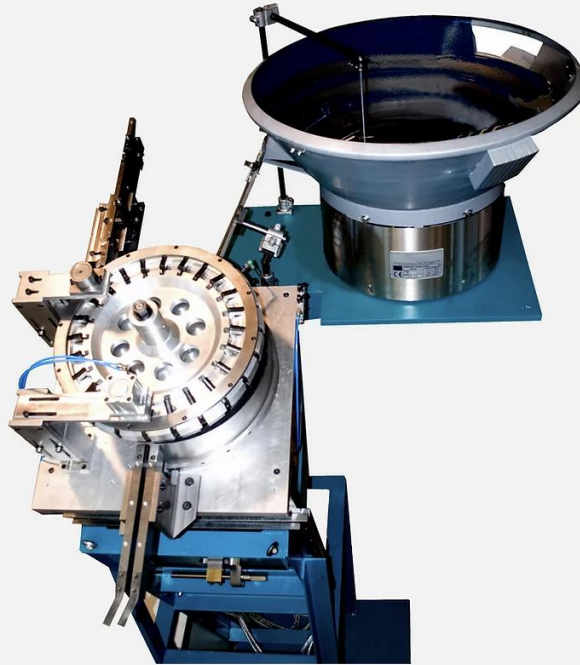


	Max. blank diameter	Max. blank length	Spindle speed	Speed	Spindle dimension
	mm	mm	RPM	P/min	mm
NP 14-DD	14	150	8000	200	ISO 30
NP 24-DD	24	200	6000	140	ISO 40
NP 36-DD	36	300	5000	90	ISO 40

TECHNOLOGY



Patented Direct Drive motors – Capable of providing the maximum torque from 0 speed. Direct Drive motors eliminate the traditional belt, gear transmission & flywheel, typical of the traditional machines, without any power loss. Having less parts also eliminates wear and maintenance. Another important advantage is the energy savings characteristic of this technology.



Evolution Washer assembly units are available on all SMART thread rollers. They can be retrofitted on machines of different manufactures. The Evolution unit can assemble 1 or 2 washers.



	Max. Blank diameter	Max. Blank length	Max. Washer diameter	Speed
	mm	mm	mm	P/min.
EV1/EV2	14	*60	**22	0 - 450
Evolution Maxi	24	300	60	0 - 180

* with extra tooling up to 140mm

** with dedicated bowl feeder up to 36mm