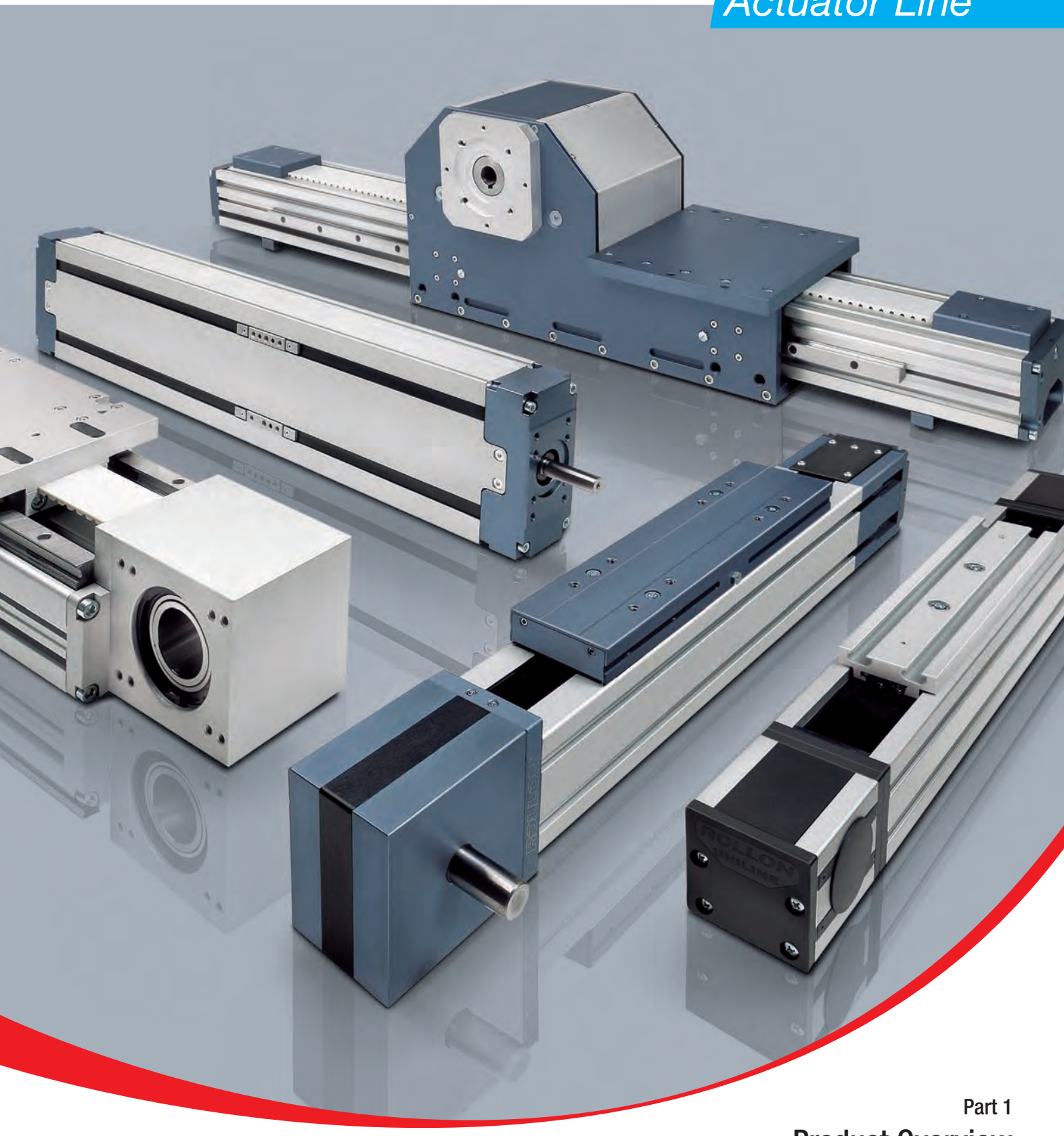
ROLLON®

LinearEvolution

Actuator Line



Part 1

Product Overview

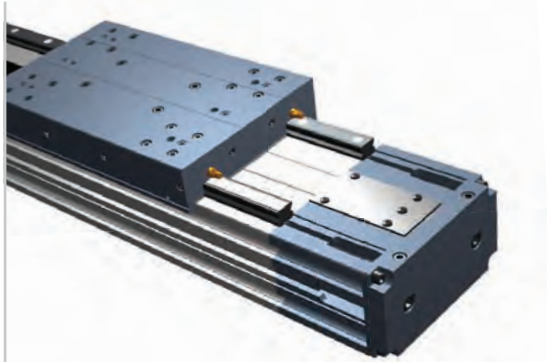
English

www.rollon.com

Actuator Line

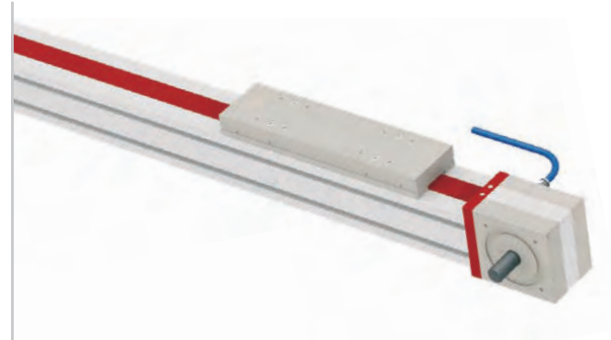
Product families

Plus System



- Intended for critical environment conditions
- High cycle loads
- Anticorrosion version available

Clean Room System



- Designed for clean room
- Low particles emission
- Clean room ISO 14644-1 or FED STD 209E certification

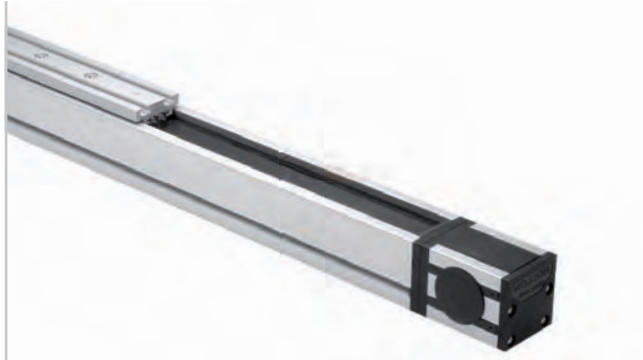
Smart System

- High quality/price ratio
- Self-supporting structure
- Suitable for multi-axis system

Eco System

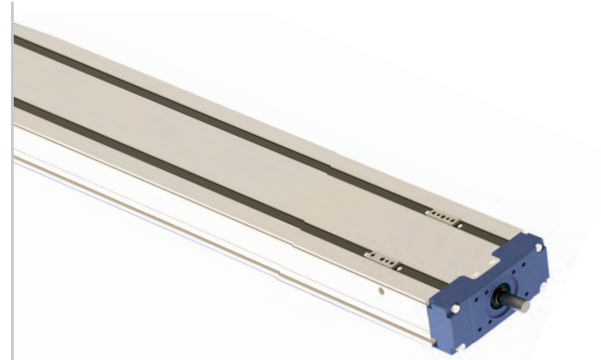
- Light weight
- Simple construction
- Long strokes

Uniline System



- High speed
- Compact rail with radial ball bearing rollers
- Easy assembly

Precision System

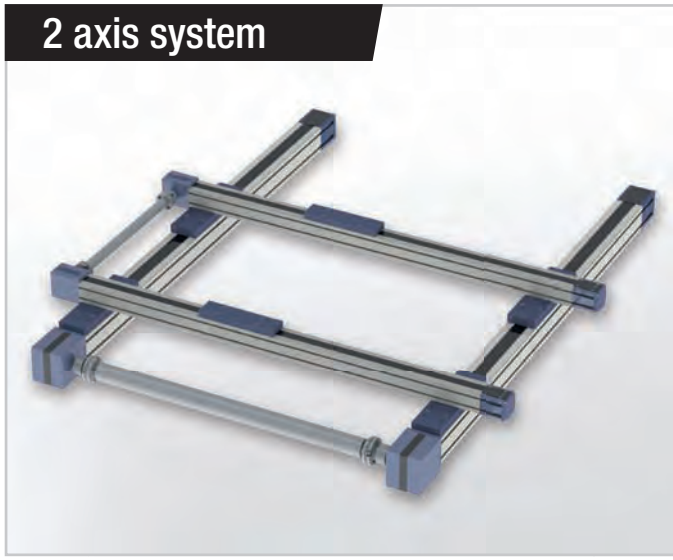


- Ball screw driven for high precision
- Rigid design
- Suitable for multi-axis system

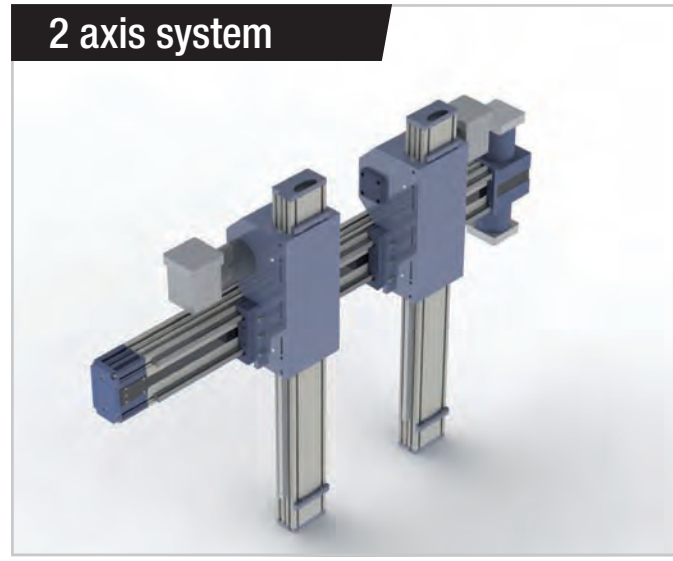
Actuator Line

Multi-axis systems

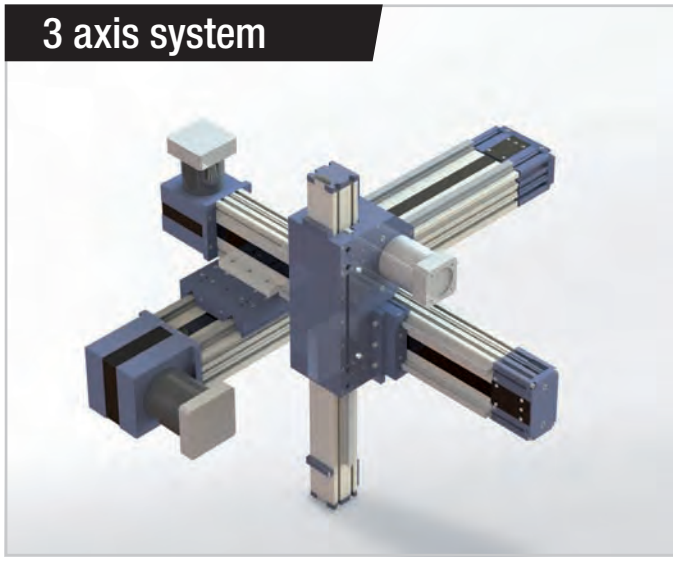
2 axis system



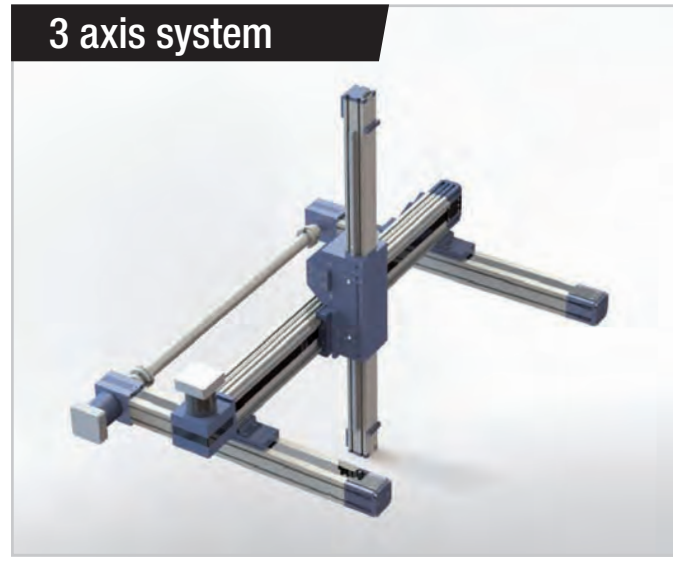
2 axis system



3 axis system

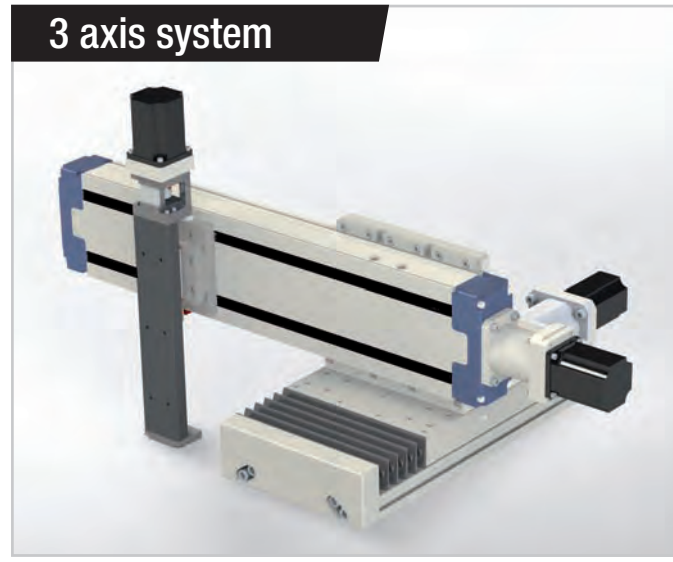


3 axis system

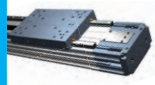
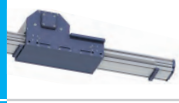
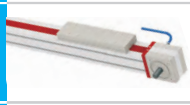
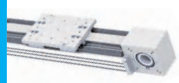
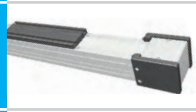
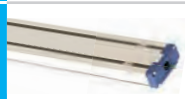
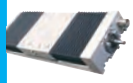


3 axis system

3 axis system

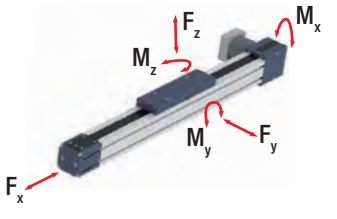


Technical features overview

Reference			Section		Driving			Anticorrosion	Protection
Family		Product	Balls	Rollers	Toothed belt	Ball screw	Rack and pinion		
Plus System		ELM	●	●	●			●	●
		ROBOT	●	●	●			●	●
		SC	●		●			●	●
Clean Room System		ONE	●		●			●	●
Smart System		E-SMART	●		●				
		R-SMART	●		●				
		S-SMART	●		●				
Eco System		ECO	●	●	●				●
Uniline System		A/C/E/ED/H		●	●				●
Precision System		TH	●			●			●
		TT	●			●			●
		TV	●			●			●
		TK	●			●			●

Reported data must be verified according to the application.
For a complete overview about technical data, please consult our catalogues at www.rollon.com.
* Longer stroke is available for jointed version

Size	Max. load capacity per carriage [N]			Max. static moment per carriage [Nm]			Max. travel speed [m/s]	Max. acceleration [m/s²]	Repeatability accuracy [mm]	Max. travel or stroke (per system) [mm]
	F_x	F_y	F_z	M_x	M_y	M_z				
50-65-80-110	4440	79000	79000	1180	7110	7110	5	50	± 0,05	6000*
100-130-160-220	8510	158000	158000	13588	17696	17696	5	50	± 0,05	6000*
65-130-160	5957	86800	86800	6770	17577	17577	5	50	± 0,05	2500
50-80-110	4440	92300	110760	1110	9968	8307	5	50	± 0,05	6000*
30-5-80-100	4440	87240	87240	1000	5527	5527	4	50	± 0,05	6000*
120-160-220	8880	237000	237000	20145	30810	30810	4	50	± 0,05	6000*
50-65-80	2250	51260	51260	520	3742	3742	4	50	± 0,05	2000
60-80-100	4070	43400	43400	570	4297	4297	5	50	± 0,05	6000*
40-55-75-100	1000	25000	17400	800,4	24917	15752	9	20	± 0,05	5700*
90-110-145	27000	86800	86800	3776	2855	2855	2		± 0,005	1500
100-155-225-310	58300	230580	274500	30195	26627	22366	2,5		± 0,005	3000
60-80-110-140	58300	48400	48400	2251	3049	3049	2,5		± 0,01	4000
40-60-80	12462	50764	50764	1507	622	622	1,48		± 0,003	810



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