

CONTROLS

Wide range of control solutions. From tailored discrete to advanced touchscreen controls.



SINGLE-SCREW EXTRUDERS & EXTRUSION SYSTEMS



TOUCH SCREEN CONTROLS

Advanced touch screen controls with a wide range of features and options

ProControl™ 100

A cost effective HMI alternative to discrete controls. Includes extruder controls, trending, recipes, and alarm management.

ProControl™

Feature rich HMI system for extrusion line control. Includes extruder controls, trending, recipes, alarm management, and reporting capabilities.



DISCRETE CONTROLS

Discrete controls tailored to your specifications.

ProControl™ Deluxe

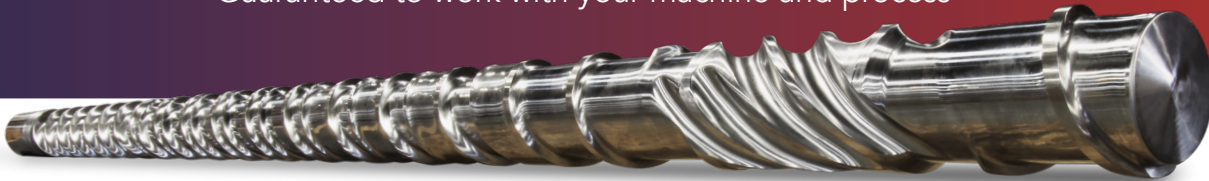
A comprehensive HMI system to control your entire process. Includes extruder controls, trending, recipes, alarm management, reporting capabilities, advanced features include SQL database and CFR 21 Part 11.

SCREWS

We design screws for all brands of single-screw plastic, silicone, and rubber extruders. All Screws are designed in-house for your process and are inspected to our highest standards.

PERFORMANCE GUARANTEED

Guaranteed to work with your machine and process



SCREW & BARREL				GEARBOX		HEATERS				DIMENSIONS (APPROX, INCH)						
SIZE	MM	L/D		HP @ 100	B10 LIFE	ZONES		WATTS	PHASE	CFM	LENGTH		WIDTH	HEIGHT	WEIGHT(lbs)	
1.00 "	25.4 mm	24:1	30:1	11	950,000	3	4	2,000	1	150	40	46	37	50	2,000	2,500
1.25 "	31.8 mm	24:1	30:1	16	8,000,000	3	4	3,000	1	150	50	58	38	50	2,500	3,000
1.50 "	38.1 mm	24:1	30:1	16	5,000,000	4	5	3,000	1	150	58	67	38	50	3,000	3,500
1.75 "	44.5 mm	24:1	30:1	16	1,750,000	4	5	3,000	1	150	67	78	38	50	3,500	4,000
2.00 "	50.8 mm	24:1	30:1	54	8,000,000	3	4	6,000	1	350	76	88	40	52	4,500	5,500
2.50 "	63.5 mm	24:1	30:1	85	5,000,000	4	5	7,000	1	500	96	111	40	52	5,000	6,000
3.00 "	76.2 mm	24:1	30:1	85	1,000,000	5	6	7,000	1	500	106	124	40	52	6,000	7,000
3.50 "	88.9 mm	24:1	30:1	190	2,400,000	4	5	11,000	1	750	125	146	45	54	8,000	9,000
3.94 "	100.0 mm	24:1	30:1	190	1,150,000	5	6	11,000	1	750	138	162	45	54	9,000	10,000
4.50 "	114.3 mm	24:1	30:1	324	9,000,000	5	6	15,000	3	1,000	154	181	49	56	12,000	13,500
5.12 "	130.0 mm	24:1	30:1	324	1,900,000	6	7	15,000	3	1,000	174	205	49	56	13,500	15,000
6.00 "	152.4 mm	24:1	30:1	530	1,260,000	5	6	24,000	3	1,500	196	232	56	58	17,500	19,000
6.50 "	165.0 mm	24:1	30:1	530	518,000	6	7	24,000	3	1,500	208	247	56	58	19,000	20,500
6.89 "	175.0 mm	24:1	30:1	750	800,000	6	7	27,000	3	1,500	232	273	61	60	21,000	23,000
8.00 "	203.2 mm	24:1	30:1	750	217,000	5	6	32,000	3	2,400	258	306	61	60	28,000	30,000

Data is general information and for estimating purposes only. All dimension are approximate.



Extruder screw diameters ranging from ½ inch (12.7mm) to 12 inch (304.8mm)



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FEATURES

With decades of experience, our team is committed to designing features that focus on the user as well as increasing overall strength, efficiency, and serviceability. Some of these features include:

DIRECT DRIVE MOTOR

- Energy-efficient (~10% less energy than traditional AC motor & gearbox)
- High level of speed accuracy even at low speeds
- Quiet operation
- Near maintenance-free operation
- No water cooling required

FEED THROAT INTEGRAL TO BARREL

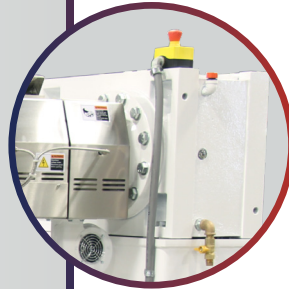
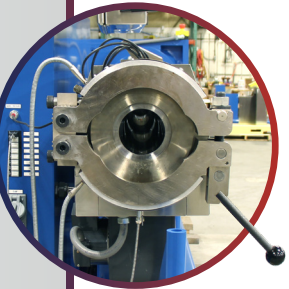
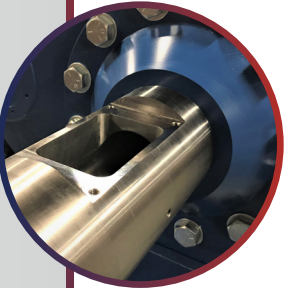
- Air & water cooled options
- Eliminates alignment issues
- Bimetallic feed area for maximum wear resistance
- No step/mating issues like conventional cast iron feed section to bolt on barrels

TOGGLE CLAMP

- Easy lock, cam assist
- Lever action swing bolt
- No wrench adjustment required once in set position
- Durable aluminum heaters

INDUSTRY PROVEN GEARBOX

- High horsepower capacity
- Long thrust bearing life



1.5" 24:1 & 3" 30:1 Profile Extruders



1.5" 24:1 Lowboy Extruder



1" 24:1 Co-Extruder



2" 24:1 Extruder



2" 24:1 Direct Drive Co-Extruder



2.5" 24:1 Direct Drive Extruder



3.5" 24:1 Extruder



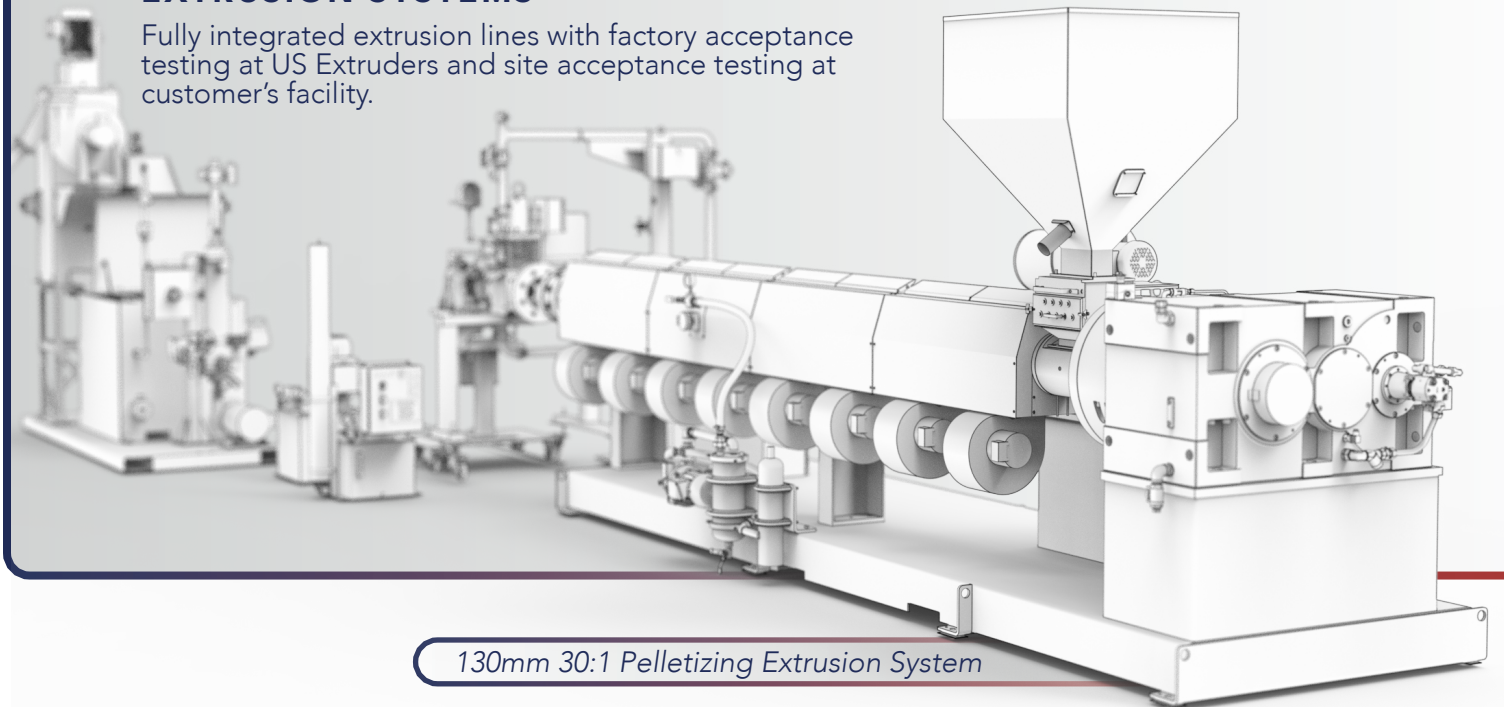
6" 30:1 Extruder



175mm 34:1 Extruder

EXTRUSION SYSTEMS

Fully integrated extrusion lines with factory acceptance testing at US Extruders and site acceptance testing at customer's facility.



130mm 30:1 Pelletizing Extrusion System

TRANSPARENT LEAD TIMES

We maintain strong relationships with vendors and proactively stock essential components to ensure that our custom extruders are delivered in the shortest possible time. **This guarantees that our customers receive top-quality equipment without unexpected delays.**