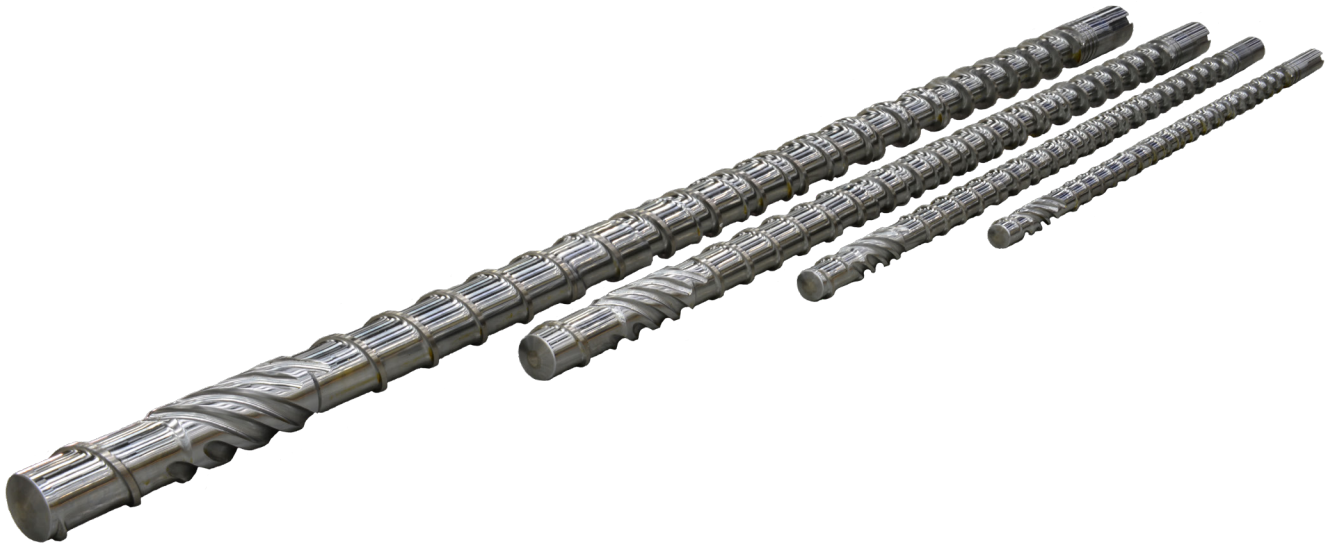




ULTRA Screw

The name you know, the quality you trust. The ULTRA screw is designed to pair with our ULTRA extruder to offer processing stability & material flexibility.



Available in six bore sizes & two L/Ds

24:1	1.00"	1.25"	1.50"	2.50"	3.00"	3.50"
30:1	1.00"	1.25"	1.50"	2.50"	3.00"	3.50"

Function:

A high-performance barrier screw, the ULTRA screw is engineered to fit the American Kuhne ULTRA extruder's two key straight shank design. Comprehensively designed to process a wide range of amorphous & semi-crystalline polymers, it can help avoid the costs of multiple screws & associated change-over otherwise required for different materials. The ULTRA screw is designed to:

- Improve output rate
- Lower melt temperature
- Reduce drive motor load
- Enhance melt homogeneity
- Provide stability over wide processing windows
- Serve a wide range of extrusion applications

Features:

- Spiral Maddock mixer with distribution & dispersion mixing functions with partial pumping capability
- Barrier zone for enhanced melt-solid separation
- Lower melt temperatures achieved with a fast melting, low shear design
- Stable pumping with a smooth transition between the barrier & metering zones
- Steady output performance at typical industry head pressures



Specified for these polymers:

- LDPE • MDPE • PET • EVA
- FPVC • HDPE • PLA • PC
- PMMA • EVOH • ABS • PP
- LLDPE • PA66 • PA6 • PS

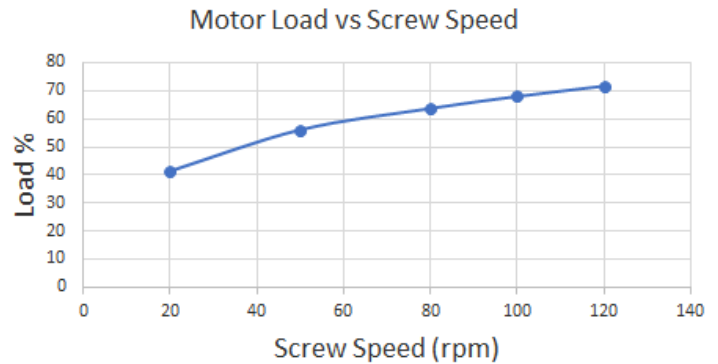
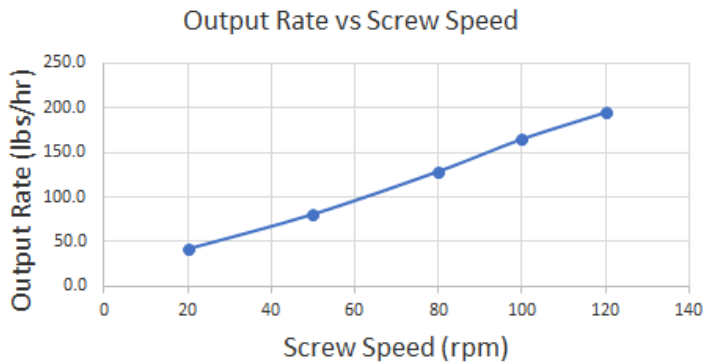
In a variety of processes, including:

- Blown Film • Medical Tubing • Sheet
- Wire & Cable • Industrial Tubing • Fiber
- Profile • Blow Molding
- Pipe

Our state-of-the-art Extrusion Lab enables us to provide our customers with accurate predictions of expected performance of utilizing ULTRA screws. After providing us with information about your resins, expected head pressures, &/or material samples, we can provide precise estimates detailing:

- Output vs. screw speed
- HP required vs. screw speed & energy power requirements
- Recommended processing conditions

*See sample performance charts (right)



Our Extrusion Lab also enables us to run your exact resin(s) on production scale extruders to customize & optimize your screw design through empirical trials. Our high speed data recorder monitors pressures along the barrel & melt temperatures to ensure optimal quality at maximum rates.