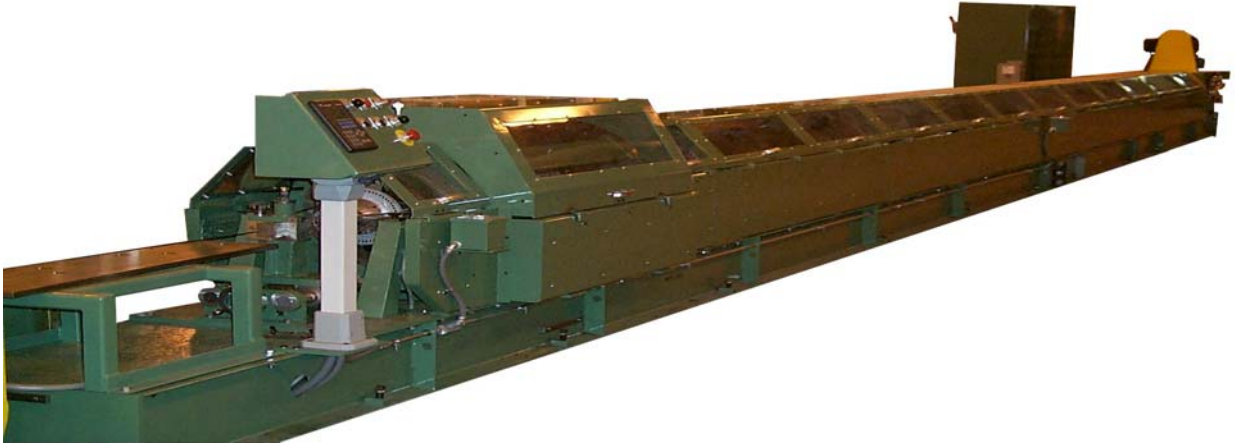




MACHINERY SYSTEMS, L.L.C.

*"At Bartell, Customer Satisfaction is our business."*

## TUBULAR STRANDERS



The Bartell high speed tubular strander are constructed with durability and efficiency in mind to meet the most demanding production requirements. The tubular stranders are ideal for many industries and products such as copper, steel, stainless steel, gold, silver, jewelry, medical, automotive, aerospace, musical instrument wire, magnet wire, and fiber optic, push-pull cables, and many other specialty products.

### STANDARD FEATURES / BENEFITS

- Available in 6,12,18,24,30 and 36 bay configurations.
- Electronic lay, with programmable lay lengths.
- Capable of producing S(left) or Z (right) lay products.
- A series safety hoods with electrical interlocks.
- Large brake for high speed stopping.
- Wire break detection system detects broken wires along the length of the barrel and before the closing die.
- Automatic oiler that controls the interval and amount of oil that is supplied to each A frame bearing.
- AC motor and drive carry a two year warranty.
- Programmable mechanical counter assembly that is integrated into the machines start/stop circuitry.
- Ergonomically designed operator control stations.

### AVAILABLE OPTIONS

- Many versions of take-up assemblies available.
- Wire straightening assemblies
- Pre-forming heads
- Sound proofing packages
- Magnetic particle brake for each bobbin.
- An additional bobbin assembly located at the rear of the machine to provide the capability for an additional wire.
- A integral core payoff assembly provides the means of placing a larger reel of core product in the first cradle position, thus providing a means to present the core product with zero twist induced. The other bobbin wires are routed around the core product position, before going to the die.
- Air operated clutch that links the capstan to a belt driven take-up.

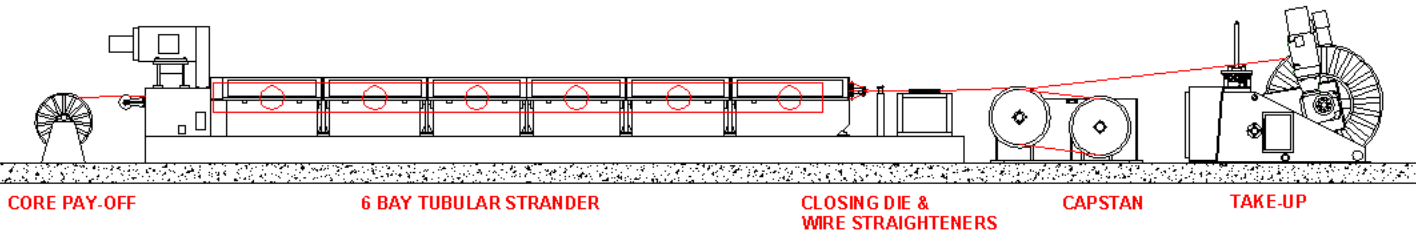
**BARTELL MACHINERY SYSTEMS, L.L.C. WIRE AND CABLE DIVISION**

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# TUBULAR STRANDERS

**TYPICAL LINE LAYOUT**



MODEL NUMBER	MAXIMUM BOBBIN SIZE		NUMBER OF BAYS	BOBBIN WIRE SIZE		FINISHED PRODUCT MAX IN/MM	MAXIMUM BARREL RPM	MAXIMUM LINE SPEED FPM/MPM
	O.D. IN/MM	OAW IN/MM		MIN IN/MM	MAX IN/MM			
STT-03-6	3.0 / 76	3.0 / 76	6	.001 / .025	.005 / .127	.032 / .813	3140	209 / 64
STT-03-12			12					
STT-03-18			18					
STT-6.5-6	6.5 / 165	4.0 / 102	6	.004 / .102	.011 / .279	.062 / 1.57	3100	250 / 76
STT-6.5-12			12					
STT-6.5-18			18					
STT-6.5-24			24					
STT-10-6	10 / 254	6.9 / 175	6	.008 / .203	.032 / .813	.156 / 3.96	2800	340 / 104
STT-10-12			12					
STT-10-18			18					
STT-10-24			24					
STT-10-30			30					
STT-10-36			36					
STT-16-6	16 / 406	9.0 / 229	6	.025 / .635	.091 / 2.31	.375 / 9.53	1600	833 / 254
STT-16-12			12					
STT-16-18			18					
STT-16-24			24					
STT-16-30			30					
STT-16-36			36					

All specifications are subject to change without notice. Contact factory for up to date specifications. Custom designs are available upon request.