

### OUR SERVICE IS OUR STRENGTH

Since 1960, Ken-tron Wire Division has provided high quality custom drawn wire for a range of applications from medical, industrial, and military to musical. Originally named Kentucky Electronics, our growth and diversification has provided us with the ability to meet your wire needs for high quality and rigid tolerances such as temper, straightness, bend and size to

within +/-.0001 inch (one ten thousandth). We are dedicated to delivering the best service – Our Service is Our Strength.

We are conveniently located at 610 Industrial Drive in Owensboro, Kentucky, where we can easily and quickly ship to any national or international location of your choice. You can reach us by calling (270) 684-0431, by facsimile: (270) 684-0435, or email: wire@ken-tron.com. Our mailing address is Ken-tron Mfg., Inc., P.O. Box 21250, Owensboro, KY 42304-1250. Any way you contact us, our customer service representatives will quickly, courteously and enthusiastically answer your needs, whether it be a quote, an order or just an information request.





Ken-tron Wire Division purchases wire at large diameters and redraws these wires to smaller diameters (as small as .001" - less than half the thickness of a human hair). We can furnish you with wire from .001" to .150" in quantities as small as one pound. In order to provide you with the perfect product, our wire goes through various rigorous processes such as drawing, annealing, cleaning, spooling, testing and inspection.

### **Customer Service**

Ken-tron is one of the most reliable companies with whom you will ever do business. Our delivery record is over 99% on-time shipments; it is very seldom that we ship even one day late, and we won't do that without notifying you first. With our outstanding emphasis on service, you will receive prompt personal attention to your quote request or your order. The dedicated team we have assembled combines charm, wisdom and up-beat personalities with team work, willingness to try new ideas and the ability and enthusiasm to work with you to develop new products. We are working and growing together and we not only get the job done, we do it better.



# REDUCTION OR DRAWING ANGLE (A) NORMAL INCLUDED ANGLE FOR STANDARD REDUCTIONS 16° - 20° SOFT MATERIAL 18° - 20° PLATED COPPER 21° - 16° HARD MATERIAL 10° - 14° PLATED STEEL CONTACT AREA BACK RELIEF (R°) 35° - 60° ANGLE REDUCTION OR DRAWING ANGLE (B) WELL BLENDED NO SHARP EDGES BEARING LENGTH (B) NORMAL FOR SCND AND SCSD IS 20% - 40% FOR SOFT MATERIAL 40% - 60% FOR HARD MATERIAL 20% - 40% FOR HARD MATERIAL 20% - 40% FOR HARD MATERIAL

0.06200

# Die Shop

The Diamond Die Repair Shop at Ken-tron repairs wire dies as they are worn due to the heat and friction of wire drawing. Diamond dies have very complicated angles required to allow entry of the wire and reduction of the width of the wire. They must have the proper degree of angle and length of surface for the material of the wire to expand in length. The shop uses diamond powder and wire as the shaping tools in their equipment to repair the angles and restore the die to a consistent and usable size.



# Wire EDM Machine

The Wire EDM Machine uses electrical current to precisely form die parts for stamping and/or forming. We can help you meet your special EDM Traveling Wire needs. Call us for information on special stamping dies.



# Uses

Wire processed by Ken-tron is currently being used in a wide variety of applications including:

Specialty Wires for Aircraft Engines and Instruments

NASA Space Equipment and Systems

Automotive Electronic Equipment

Televisions, Radios and Computers

Medical Staples

Hip Joint Replacements

Needles for Eye Surgery

Relay Switches (applications include Electronic Equipment and Airbags for Automobiles)

### Lighting

Woven Screens for Marine, Medical and Food Industries

Heating Elements

EDM Wire Metal Cutting Machines

Musical Strings

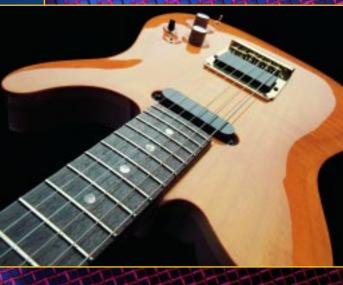
Research

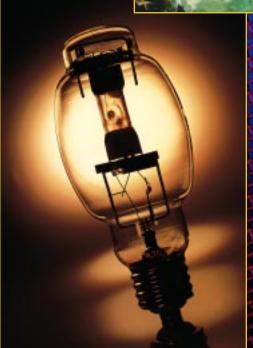
Security Systems

Home Appliances









# Spooling

The wire is taken up into coils, spools or pay pack barrels (bulk orders). For those special applications which require special spooling, i.e. ultra fine wire, or batch annealed wire (which cannot be heated on spools), we have respooling machines which can precisely wind the wire for perfect feeding.



Our test equipment can verify the chemical composition of the wire (metal monitor), surface quality, roundness, tensile properties (Instron) and the weight required to stretch vs. the breaking weight of the wire. The breaking weight will vary from a few pounds to several thousand pounds depending on the size and composition of the wire. The size can be verified to the millionth of an inch by hand, bench, or laser micrometers. The straightness of the wire and the weight required to bend the wire to a determined degree can also be verified to meet exacting requirements.



All wire goes through our final inspection for correct diameter, spooling, labeling, and all other customer specifications. All spools are then shrink-wrapped for their protection.

Our rigorous quality control checks allow us to qualify for ISO 9002 Certification #1016.





Size	Pound*	Size	Pound*	Size	Pound*	Size	Pound*	Size	Pound*	Size	Pound*
.150	16.7	.125	24.0	.100	37.5	.075	67	.050	150	.025	600
.149	16.9	.124	24.4	.099	38.3	.074	69	.049	156	.024	651
.148	17.1	.123	24.8	.098	39	.073	71	.048	163	.023	708
.147	17.4	.122	25.2	.097	40	.072	73	.047	170	.022	774
.146	17.6	.121	25.6	.096	41	.071	75	.046	177	.021	850
.145	17.9	.120	26.1	.095	42	.070	77	.045	185	.020	937
.144	18.1	.119	26.5	.094	43	.069	79	.044	194	.019	1,038
.143	18.4	.118	26.9	.093	44	.068	81	.043	203	.018	1,156
.142	18.6	.117	27.4	.092	45	.067	84	.042	213	.017	1,296
.141	18.9	.116	27.9	.091	46	.066	86	.041	223	.016	1,464
.140	19.2	.115	28.4	,090	47	.065	89	.040	235	.015	1,665
.139	19.4	.114	28.9	.089	48	.064	92	.039	247	.014	1,911
.138	19.7	.113	29.4	.088	49	.063	95	.038	260	.013	2,217
.137	20.0	.112	29.9	.087	50	.062	98	.037	274	.012	2,601
.136	20.3	.111	30.4	.086	51	.061	101	.036	289	.011	3,096
.135	20.6	.110	31.0	.085	52	.060	105	.035	306	.010	3,746
.134	20.9	.109	31.6	.084	54	.059	108	.034	324	.009	4,624
.133	21.2	.108	32.2	.083	55	.058	112	.033	344	.008	5,853
.132	21.5	.107	32.8	.082	56	.057	116	.032	366	.007	7.644
.131	21.9	.106	33.4	.081	58	.056	120	.031	390	.006	10,404
.130	22.2	.105	34.0	.080	59	.055	124	.030	417	.005	14,982
.129	22.6	.104	34.7	.079	61	.054	129	.029	446	.004	22,900
.128	22.9	.103	35.4	.078	62	.053	134	.028	478	.003	40,700
.127	23.1	.102	36.0	.077	64	.052	139	.027	514	.002	91,500
.126	23.6	.101	36.8	.076	65	.051	144	.026	555	.001	370,539
*Ft. per pound is average. The length may vary depending on materials.											

Ken-tron Wire Division is growing and improving to serve you better. Among the new acquisitions to improve our speed and quality, we have three new furnaces and furnace spoolers, six fine wire drawing machines, a new state-of-the-art Instron (to test wire strength), four new respoolers, two laser micrometers and one semi-automatic shrink wrap machine. We recently installed a new computer system and we have added manufacturing space to our current facility.

Through all these positive changes, we have increased our production, our quality, and our commitment to serving you. Our emphasis is on providing you with an excellent product, in a timely manner, and at a reasonable price. If you are not a customer, please contact our sales department and let us demonstrate how our quality, value, service and reliability can improve your bottom line. If you are currently one of our worldwide customers, thank you!

We look forward to hearing from you!

Ken-tron Mfg., Inc.
Wire Division
610 Industrial Drive
P.O. Box 21250
Owensboro, KY 42304-1250

Phone: (270) 684-0431
Toll Free: (800) 872-9336
FAX: (270) 684-0435
Website//www.ken-tron.com
Email: wire@ken-tron.com

Our dedicated
team is
working and
growing
together.
We not only get
the job done,
we do it
better!



