

ultimat
umw series

ultimat

2D WIRE FORMING MACHINES

ume series



The UME is a cost-effective approach to 2D Wire Forming that delivers the performance demanded in today's market.

The UME design is based on the proven *ULTIMAT* UM and UMW models, and features the *ULTIMAT Closed Die Cutting System* that produces a square, burr-free cut. A tilting table is standard equipment, making the UME extremely versatile and capable of producing small to large wire forms, including spirals.

The UME was developed to reduce machine cost without sacrificing versatility, quality, or production.

FEATURES

- Tilting Table supplied as standard
- Fast cycle times for parts direct from coil
- High Resolution Touch Screen – PLC, conveniently mounted for easy access.
- Simplified Programming
- High Quality Square Burr-Free cuts
- Suited for JIT & prototypes
- Repeatability $\pm 0.05^\circ$ on bends and $\pm 0.1\text{mm}$ of feed length
- Software allows for “generated bending” of large radii
- Fast changeover from one wire diameter to another
- Parts programmed in ‘mm’ or ‘inches’
- Individual parts can be produced consecutively or as part of a kit
- Real Time Production Speeds—Parts/Min. Parts/Hour
- Tooling available for specific bend radii
- Perfect Square Clean-cut wire ends
- Designed and manufactured in the U.K
- 2 year parts warranty

OPTIONS

- Tooling for strip or profiled wire
- Mini Bend Head for tight bends & loops
- Universal version available for the production of spirals.

ultimat Type ume

2D Wire Forming Machines

	ume-40	ume-65	ume-80	ume-100
Wire ø	2.00 - 4.00mm .080" - 0.162"	2.00 - 6.50mm .080" - 0.256"	3.00 - 8.00mm 0.120" - 0.315"	3.00 - 10.00mm 0.120" - 0.394"
Max. Frame/Ring Size	600 x 600mm 24" x 24"	600 x 600mm 24" x 24"	1000 x 1000mm 39" x 39"	1000 x 1000mm 39" x 39"
Feed Speed	130 m/min. 426 ft/min.	110 m/min. 360 ft/min.	85 m/min. 278 ft/min.	85 m/min. 278 ft/min.
Feed Accuracy	± 0.1mm ± 0.0040"	± 0.1mm ± 0.0040"	± 0.1mm ± 0.0040"	± 0.1mm ± 0.0040"
Max. Bend Angle	± 180°	± 180°	± 180°	± 180°
Max. Bend Speed	2000°/sec	1500°/sec	1000°/sec	1000°/sec
Set Up	5 - 10 min (Approximately)			
Control	Industrial PC, 12.1" SVGA colour TFT display with touch screen, Microsoft Windows XP Pro Intel Atom Processor 1100 MHz, 1024 RAM, 8GB Compact Flash , 3 x USB 2.0			
Power Supply	400V / 3 phase / 50/60 Hz (Alternate voltage supplies can be accommodated)			

