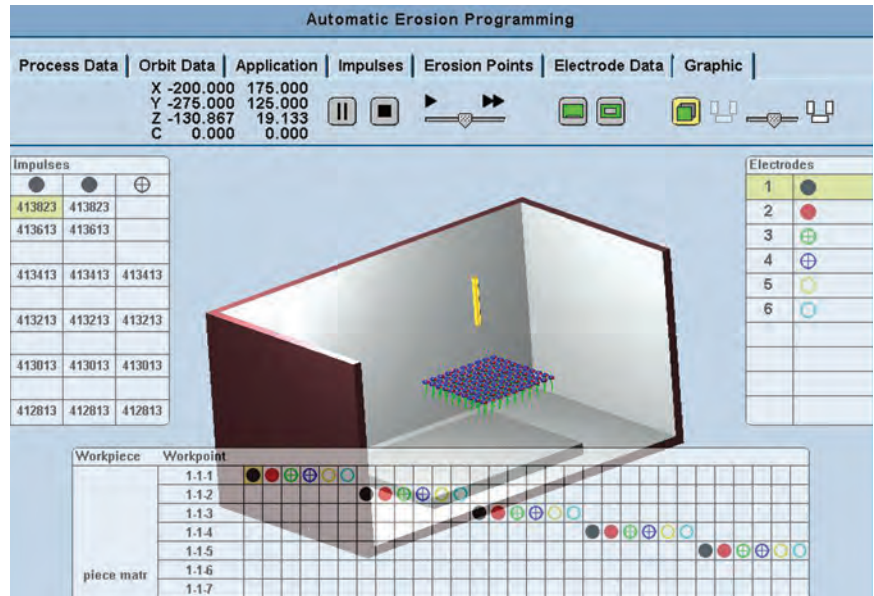




**AT Spirit**

# AT Spirit At a glance

## Versatility in EDM die sinking



### Short set-up times

With manual control, automatic measuring cycles as well as good accessibility to the working area, EDM jobs can be started in the shortest time. Clamp, measure, EDM machine – AT Spirit machines do not require any special prior knowledge of EDM die sinking.

### Simple data input

The operator is guided through the program by self-explanatory symbols. Minimum data about the workpiece and electrode suffice for the control unit to generate the optimal EDM technology.



### Lowest power consumption

With just 3.8 kW per hour, all AT Spirit EDM die-sinking machines consume approx. 75% below the average power consumption of competing machines.





Technical Data		AT Spirit 2	AT Spirit 3	AT Spirit 4
Dimensions (L x W x H)	mm in	1850x2100x2360 72.8x82.7x92.9	2800x2800x2690 110.23x110.23x105.9	3000x3000x2865 118.1x118.1x112.79
Total weight (without dielectric)	kg lb	1280 2822	3300 7276	4000 8819
X, Y, Z axes travels	mm in	300x250x250 11.8x9.85x9.85	550 x 400 x 350 21.7x15.7x13.8	700x500x400 27.6x19.7x15.7
Workpiece dimensions (L x W x H)	mm in	630x400x185 24.8x15.7x7.3	960x650x255 37.8x25.6x10	1100x750x370 43.3x29.5x14.5
Table dimensions (L x W)	mm in	400x300 15.7x11.8	700x500 27.55x19.68	870x550 34.25x21.65
Max. electrode weight/with C axis	kg lb	25/25 55/55	80/50 176/110	113/50 248/110
Workpiece dimensions (L x W x H)	mm in	500x400x185 19.68x15.7x7.3	760x450x255 29.9x17.7x10	920x550x370 36.2x21.6x14.5
Max. workpiece weight	kg lb	200 441	1000 2200	2000 4409
Dielectric charge volume	l us gal	300 79.2	500 132	840 221.9
Minimum surface roughness Ra	µm µin	0.2 9.6	0.2 9.6	0.2 9.6



### Great application spectrum

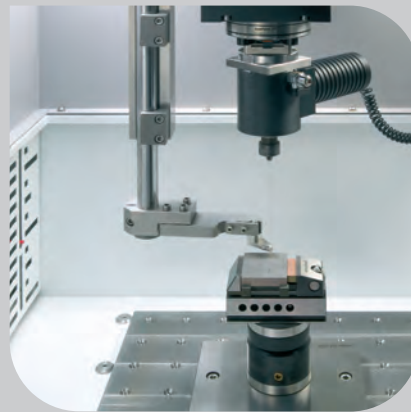
With four controllable and programmable axes, a comprehensive choice of technologies as well as high thermostability, the whole range EDM die sinking applications, from simple repair jobs to complex multicavities, can be coped with using the AT Spirit 2, 3 and 4.

### High removal rate

With new generator technologies which, by means of the intelligent interaction of various functions, achieve removal rates that are above average in all application sectors.

### Small drill holes

With the FD (Fine Drill) variant for AT Spirit 2, small drill holes can be made with small electrode tubes with diameters  $\geq 0.10$  mm in addition to normal EDM diesinking applications.



## AT Spirit

AT Spirit 2, 3 and 4 are EDM die-sinking machines for fast set-up, simple operation and reliable EDM machining.

## At a glance

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A comprehensive package of Customer Services completes our proposition.

### Achieve more

We commit to a promise. That promise is "Achieve more."

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