



SLC400G SLC600G

*Smart Linear
Smart Pulse*



Sodick

The Ultimate Advance in Wire-cut EDM

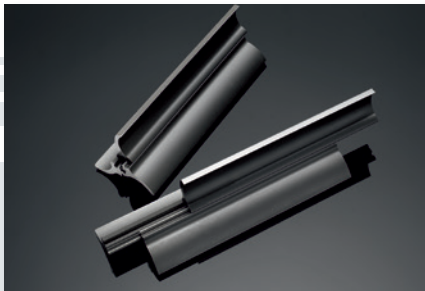


A Turnkey Machine Concept – Made for EDM Professionals

At the heart of the SLC concept is performance, economic production and operator ergonomics.

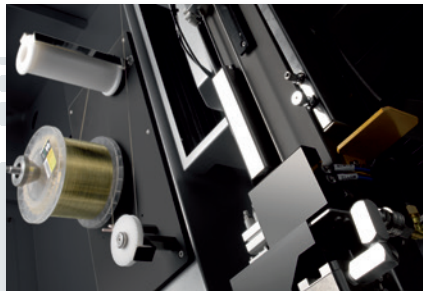
Performance

Based on the latest digital innovations in generator technologies and the use of advanced electrode materials, the new SLC range demonstrates considerable advances in cutting speed, accuracy and surface finish. This achievement was made possible through 15 years of Sodick Linear Technology.



Economic Production

The Smart Pulse generator reduces the number of cuts necessary to achieve the required accuracy and surface finish. This reduction in time translates directly into a financial advantage.



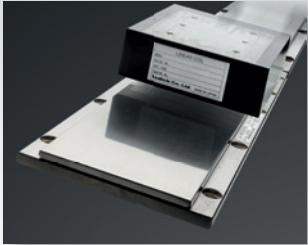
Operator Ergonomics

To capitalise on the advances of the digital Smart Pulse generator and Sodick's linear motor system, a new mechanical design was required. This new design resulted in a compact and fully enclosed machine tool which furthermore uses the latest human interface with a 19-inch touch screen colour control.



Winner of Japan Brand Prize
of The 43rd Mechanical Design Award

Enhanced Features by 15 Years of Linear EDM Experience



Linear Motor Drive

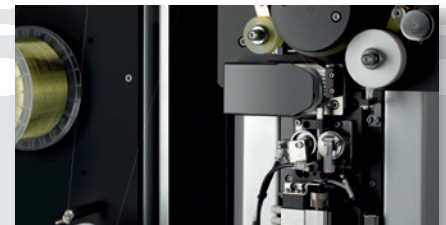
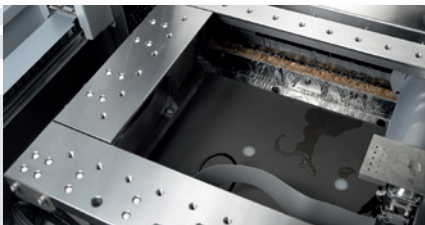
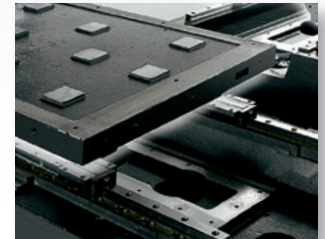
Sodick has manufactured and delivered only Linear EDM machines since 1998. Over 34,000 linear machines have been delivered worldwide, proving the unrivalled reliability of Sodick's in-house made linear motors. This unique reliability allows Sodick to offer 10-year warranty on the linear drive system.

Sodick linear motors have the optimum flat design and the machine castings have been specifically designed for this type of linear motor drives. To achieve optimum linear performance, motor and castings have to be designed as a single unit.

Ceramic Work-zone

Ceramics have many advantages; lightweight, high rigidity, thermal stability 3-times better than cast iron and steel and corrosion-free.

The machine work-zone, e.g work-table stand, AWT upper and lower arms are made from ceramics, similar to those used in measuring machines.



Sodick Smart Control

19" TFT Touch Screen

The new Sodick Control has many attractive features from the use of industry standard Windows 7[®] operating system to an enhanced 19-inch TFT multi touch screen which operates like a tablet. The operation screen can be selected between the traditional screen and the new tablet-type screen. Furthermore the screen layouts can be customized by the operator to suit their working preferences.

The NC programs are supported with 2D and 3D Graphics. Maintenance screens show the status of the machine and remote access is possible for maintenance and supervision.



Specification SLC400G/SLC600G

Machine tool	SLC400G	SLC600G
X Axis travel	400 mm	600 mm
Y Axis travel	300 mm	400 mm
Z Axis travel	250 mm	350 mm
U x V axis travel	150 x 150 mm	150 x 150 mm
Taper angle (Work. height 130mm)	±25°	±25°
Work tank dimensions (W x D)	850 x 610 mm	1050 x 710 mm
Max. workpiece weight	500 kg	1000 kg
Wire diameter	0.10 ~ 0.3 mm	0.10 ~ 0.3 mm
Wire tension	3 ~ 23N	3 ~ 23N
Max. wire speed	420 mm/sec	420 mm/sec
Max. wire bobbin	20 kg	20 kg
Distance from floor to table top	995 mm	995 mm
Machine tool dimensions (W x D x H)	2115 x 2490 x 2230 mm	2495 x 2885 x 2345 mm
Machine installation dimensions	3350 x 3840 mm	3880 x 4235 mm
Machine tool weight	3350 kg	3950 kg
Total power input	3-phases 50/60Hz 13KVA	3-phases 50/60Hz 13KVA

Dielectric Tank		
Capacity	600 lit	800 lit
Dielectric fluid filtration system	3 Replaceable paper filters (internal pressure)	3 Replaceable paper filters (internal pressure)
Deionizer	Ion exchange resin (18-lit. type)	Ion exchange resin (18-lit. type)

Due to ongoing research, specifications are subject to change without prior notice

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