



THE FUTURE STARTS HERE

Sinking EDM-machines
of the FORMAXX SERIES

Erodiermaschinen
HANST TEC
GmbH



A STRONG PARTNER - HANST TEC

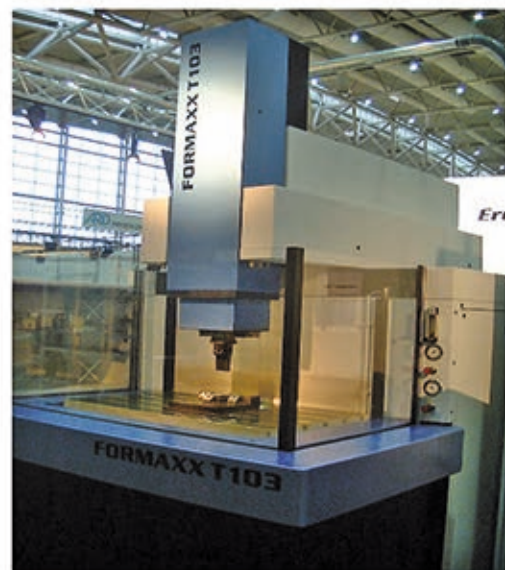
The company Hanst Tec GmbH has dealt with the service, development and manufacturing of CNC-controlled sinking EDM machines for 20 years.

Our team has a long experience in the EDM and machine tools sector. The next step of development, our new CNC-Path Control Development III, is complete.

This innovative control system and generator technology will give a further boost to the construction of new sinking EDM machines and especially to the retrofit of existing EDM machines. The control system is designed explicitly to bring older sinking EDM machines up to date with respect to CNC and generator technology for about 30% of the price of an equivalent new machine.

Service is our top priority. We provide comprehensive coverage with our experienced service technicians, who are able to draw when necessary on the direct support of our research and development team.

Contact us and let us advise you. We will make you an appealing offer for your investment that will pay for itself quickly.

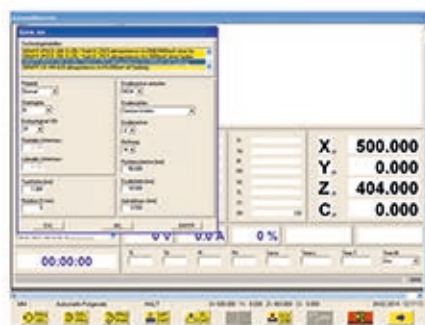




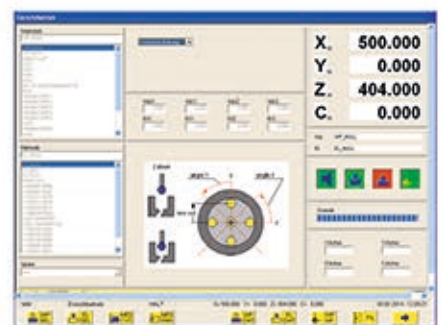
INNOVATIVE PATH CONTROL - DEVELOPMENT III

CNC Path Control of FORMAXX series

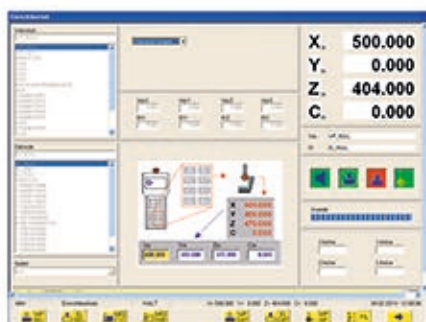
We have committed to designing the FORMAXX series with the operator in mind. After just a short period of training in the use of the innovative control system, the operator will have all of the benefits of this complex technology at her/his disposal.



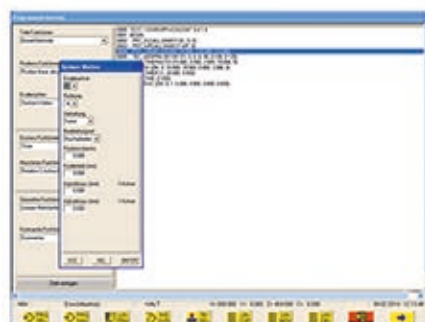
Edit "Quick Job"



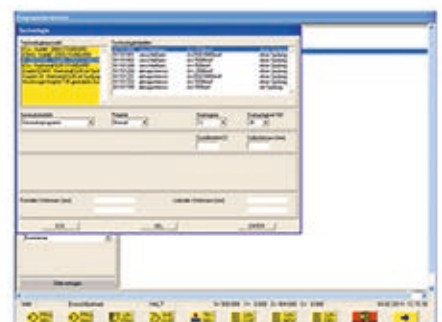
Measure bore



Setup



Programming



Technology

FORMAXX T-SERIES

The FORMAXX T series with retractable reservoir

T 102, T 103 H, T 104 H

or with manually downward retractable door

T 103 M, T 104 M

4-axis CNC sinking EDM machines with the highest standards in terms of precision, operation, performance, and future-proofing.

The Technology

- High-precision mechanics with linear guides
- Highly dynamic, low-inertia digital drives
- Retractable reservoir
- Glass scale for absolute measurement
- CNC path control* and generator of our own design with touch sensor system
- Dynamic high performance generator with real-time recording
- Upgradeable to a complete automated erosion machine



*CNC path control from a German manufacturer equipped with specially developed EDM software

FORMAXX T-SERIES

FORMAXX T-SERIES			T102	T103H	T103M	T104M	T104H
Worktable	Length	mm	600	900	900	1200	1200
	Width	mm	450	600	600	800	800
Handling	X-axis	mm	500	600	600	1000	1000
	Y-axis	mm	400	400	400	600	600
	Z-axis	mm	300	400	400	600	600
Max. distance	Table/Desktop	mm	450	500	500	900	900
Load	Work piece	kg	1000	4000	4000	5000	5000
	Electrode	kg	50	80	80	250	250
Working containers			Lift Container	Lift Container	Manual door	Manual door	Lift Container
	Width	mm	840	1070	1500	1600	1500
	Depth	mm	600	720	850	1100	1200
	Height	mm	400	500	500	600	600
Dielectric	Capacity	l	300	300	540	1250	2200
	Filter type		Paper	Paper	Paper	Paper	Paper
	Machine weight without Dielectric	kg	2500	4000	4000	5000	8000
Generator	Current values	A	60	60	60	60	60
Path Control Development III			Series	Series	Series	Series	Series
Connection values/connection power		V/KVA	3x400 / 7,5	3x400 / 7,5	3x400 / 7,5	3x400 / 7,5	3x400 / 10
More options available for all sizes		Robot	Multiple flushing	Automatic fire extinguishing system	Multi-channel technology	Higher generator output	Container enlargement

Generator Data

MODEL	OUTPUT CURRENT (AMP)	MAX.REMOVAL (MM ³ /MIN)	MIN.ELECTRODE WEAR	BEST SURFACE ROUGHNESS (RMAX)	POWER INPUT (KVA)	WEIGHT (KG)	DIMENSION LxBxH (MM)
60A	60	565	0.3%	0.16	7.5	200	800 x 800 x 2000
120A	120	980	0.3%	0.16	15	330	1200 x 800 x 2000

FORMAXX C-SERIES

No need to make sacrifices...

The FORMAXX C-series, perfect from the smallest C25 high-precision cross table machine to the largest C68 machine in moving column design with automatic bin door.

The Technology

- High-precision mechanics with linear guides
- Highly dynamic, low-inertia digital drives
- Glass scale for absolute measurement
- CNC-path control* and generator of our own design with touch sensor system
- Dynamic high performance generator with real-time recording
- Upgradeable to a complete automated EDM center.



*CNC path control from a German manufacturer equipped with specially developed EDM software

FORMAXX C-SERIES			C25	C30	C45	C60	C68
Worktable	Length	mm	600	600	800	1200	1700
	Width	mm	350	350	450	800	800
Handling	X-axle	mm	300	400	500	1000	1500
	Y-axle	mm	300	300	400	550	600
	Z-axle	mm	300	300	350	600	700
Max. distance	Table/Desktop	mm	450	530	675	900	1220
Load	Work piece	kg	450	550	1300	5000	10000
	Electrode	kg	30	50	80	250	450
Working containers			2 hinged doors	2 hinged doors	2 hinged doors	Container door automatically moveable	Container door automatically moveable
	Width	mm	850	970	1170	1600	2450
	Depth	mm	530	550	690	1000	1000
	Height	mm	340	350	425	600	800
Dielectric	Capacity	l	300	300	540	1250	2200
	Filter type		Paper	Paper	Paper	Paper	Paper
	Machine weight without Dielectric	kg	1000	1200	1800	5000	8000
Generator	Current values	A	60	60	60	60	120
Path Control Development III			Series	Series	Series	Series	Series
Connection Values/connection power		V/KVA	3x400 / 6	3x400 / 6	3x400 / 10	3x400 / 10	3x400 / 15
Options	C-axle		x	x	x	x	x
	Electrode changer		3-6 fold	4-8 fold	4-50 fold	4-50 fold	4-50 fold
More options available for all sizes		Robot	Multiple flushing	Automatic fire extinguishing system	Multi-channel technology	Higher generator output	Container enlargement

Generator Data

MODEL	OUTPUT CURRENT (AMP)	MAX.REMOVAL (MM ³ /MIN)	MIN.ELECTRODE WEAR	BEST SURFACE ROUGHNESS (RMAX)	POWER INPUT (KVA)	WEIGHT (KG)	DIMENSION LxBxH (MM)
60A	60	565	0,3%	0,16	7,5	200	800 x 800 x 2000
120A	120	980	0,3%	0,16	15	330	1200 x 800 x 2000

Subject to technical changes

FORMAXX Z-SERIES



Option: Control panel and controller, Generator Hanst Tec Development III

FORMAXX Z-SERIES

Z25 Z30 Z35 Z45 Z55 Z60 Z68

Worktable	Length	mm	700	700	800	800	1100	1245	2800
	Width	mm	350	350	450	450	600	800	1500
Handling	X-axle	mm	400	400	500	500	700	1000	2000
	Y-axle	mm	300	300	400	400	550	600	1000
	Z-axle	mm	200	200	200	350	250	500	600
	Z-coarse adjustment	mm	250	250	300	---	300	---	---
Max. distance	Table/Desktop	mm	200-650	200-650	200-700	275-625	250-835	450-900	600-1200
Load	Work piece	kg	600	600	1300	1900	2000	4000	8000
	Electrode	kg	90	90	150	220	250	400	600
Working containers manual	Width	mm	1070	1070	1170	1200	1700	1800	2740
	Depth	mm	580	580	690	690	1000	1100	1700
	Height	mm	370	370	425	425	550	620	800
Dielectric	Capacity	l	300	300	400	550	1250	1900	on request
	Filter type		Paper	Paper	Paper	Paper	Paper	Paper	
	Maschine weight without Dielectric	kg	1350	1400	1900	1900	3100	5200	12000
Generator	Current values	A	60	60	60	60	60	60	60
Connection values/		V	3x400	3x400	3x400	3x400	3x400	3x400	3x400
Connection power		KVA	6	6	10	10	15	15	15

Generator Data

MODEL	OUTPUT CURRENT (AMP)	MAX.REMOVAL (MM ³ /MIN)	MIN.ELECTRODE WEAR	BEST SURFACE ROUGHNESS (RMAX)	POWER INPUT (KVA)	WEIGHT (KG)	DIMENSION LxBxH (MM)
60A	60	565	0,3%	0,16	7,5	200	800 x 800 x 2000
120A	120	980	0,3%	0,16	15	330	1200 x 800 x 2000



FORMAXX ZNC

A favorable price and quality are no contradiction at Hanst-Tec, as there is the FORMAXX Z Series.

Conventional sinking EDM machines that are designed so that their price enables cost-effective hourly rates, while the technology meets all of the typical quality criteria for Hanst Tec:

Easy to use, reliable, future-compatible.

WITHOUT SACRIFICING ANYTHING

The Hanst Tec only gives the FORMAXX name to machines that withstand the demands of the future.

They work reliably from day one. Nothing lacks on the powerful CNC machine. For example, a screen generator with integrated digital display for all three axes, and the ability to spark-out and multiple switching.

In addition, each FORMAXX Z is prepared for numerous upgrade options, such as Orbit-Cut.

TAKE ADVANTAGE OF INSTANT BENEFITS

Why wait?

Supplied with everything included, to start EDM work immediately. Training and commissioning in one day are possible due to the ease of use.

Thereafter, the English language operation makes the menu navigation as simple as you would expect from a FORMAXX.

WE SHAPE THE FUTURE



Hanst Tec GmbH
Am Seegraben 22
D-63505 Langenselbold
Phone: +49 (0)6184 / 9566064
Fax: +49 (0)6184 / 9567565
E-Mail: info@hanst-tec.de



www.hanst-tec.de