

PENTRON

High speed EDM start hole drilling unit for FANUC wire EDM



Electronical unit

Features

- Drilling Directly On W-EDM machine using M-code
- Do not need to re-setup work pieces on separate machine
- Easy operation – drill & cut
- Full integration on wire cut machine
- Automatic Operation by FANUC W-EDM machine
- Drilling before feeding wire
- Unique compact design
- Easy installation

Includes

- Mechanical parts - Linear guide system, Spindle, Chuck
- High pressure pump
- Generator box – CNC, generator, Power amplifier
- Cable set
- Ethernet switch
- Installation manual
- Program examples, macros for FANUC CNC on USB memory stick

Model	PENTRON E (Easy)	PENTRON P (Profi)
Generator type	FANUC – integrated	Stand-alone, max. 30 A
CNC	Soft PLC control unit	
Ton/Toff	FANUC generator	250 μ s each Current shaping ARC & short protection
Capacitors	–	15 steps
Electrode dia.	1 mm	0,2 ~ 3 mm
Max. working height	150 mm	
Pump	High pressure as option	High pressure

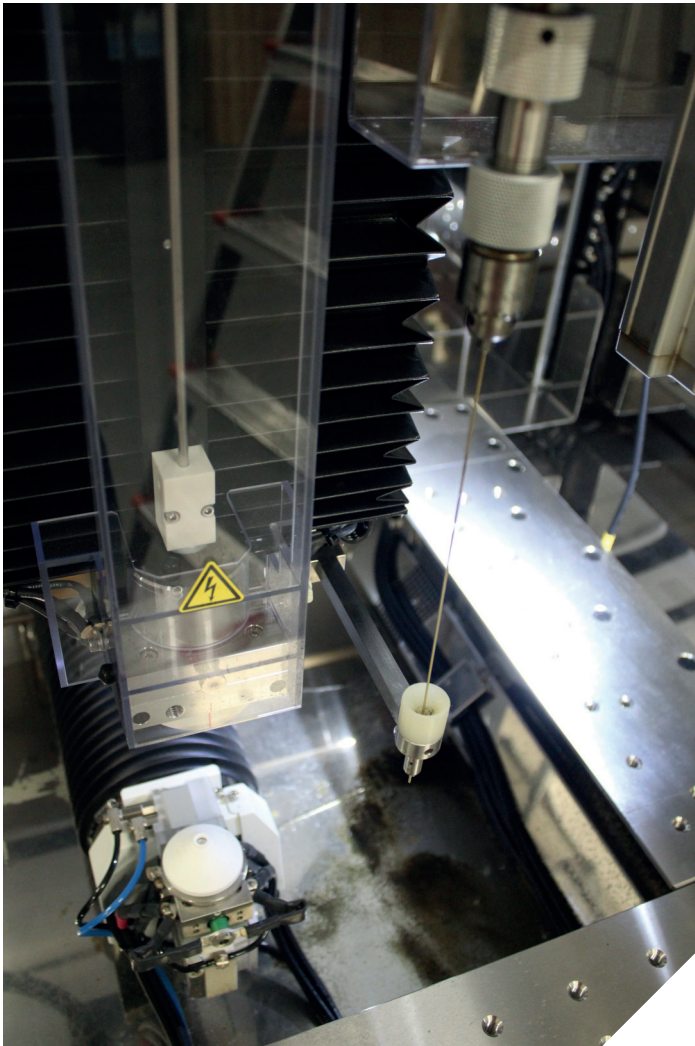
Generator

- Low wear ratio
- Shaping current (CNC)
- Short & ARC protection

Parameter	PENTRON P
Max. average current	30 A, 12 setting
Ton	1 ~ 255 μ s
Toff	1 ~ 255 μ s
Capacitors	15 steps
Break voltage	2 steps

Program example

```
:  
G01G40X_Y_  
M50 – cut the wire  
M51 – drill  
M60 – feed the wire  
G92X_Y_  
G01G41X_Y_  
:
```



Spindle and chuck



Upper part