



A vertical metallographic microscope system. The main column is teal and features a label at the top that reads "AURA 5530 ZNC" with a diamond-shaped logo below it. A black articulated arm with a large black objective lens is positioned in front of the column. To the right of the column is a control panel with a digital screen displaying a grid of data, several analog gauges, and a row of colored buttons (green, red, blue, yellow). The base of the machine is white with a teal front panel that has the "RATNAPARKHI" logo. The entire unit is mounted on four small black feet.

MIR	Z-DEPTH	↑ ↓	← →	↶ ↷	↵ ↻	↑ ↓	← →	↶ ↷	X	7.450
I	-0.000	320	9	2	3	2.0	60	50 99	Y	-81.080
J	0.000	0	0	0	0	0.0	0.0	0	Z	-36.990
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0	Program No	1
N	0.000	0	0	0	0	0.0	0.0	0	Program Start	1
O	0.000	0	0	0	0	0.0	0.0	0	Program End	1
P	0.000	0	0	0	0	0.0	0.0	0	Main Set Size	99
Q	0.000	0	0	0	0	0.0	0.0	0	Z-depth	0.000
R	0.000	0	0	0	0	0.0	0.0	0	Spare Time	C 23
S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
A	0.000	0	0	0	0	0.0	0.0	0		
B	0.000	0	0	0	0	0.0	0.0	0		
C	0.000	0	0	0	0	0.0	0.0	0		
D	0.000	0	0	0	0	0.0	0.0	0		
E	0.000	0	0	0	0	0.0	0.0	0		
F	0.000	0	0	0	0	0.0	0.0	0		
G	0.000	0	0	0	0	0.0	0.0	0		
H	0.000	0	0	0	0	0.0	0.0	0		
I	0.000	0	0	0	0	0.0	0.0	0		
J	0.000	0	0	0	0	0.0	0.0	0		
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
Q	0.000	0	0	0	0	0.0	0.0	0		
R	0.000	0	0	0	0	0.0	0.0	0		
S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
A	0.000	0	0	0	0	0.0	0.0	0		
B	0.000	0	0	0	0	0.0	0.0	0		
C	0.000	0	0	0	0	0.0	0.0	0		
D	0.000	0	0	0	0	0.0	0.0	0		
E	0.000	0	0	0	0	0.0	0.0	0		
F	0.000	0	0	0	0	0.0	0.0	0		
G	0.000	0	0	0	0	0.0	0.0	0		
H	0.000	0	0	0	0	0.0	0.0	0		
I	0.000	0	0	0	0	0.0	0.0	0		
J	0.000	0	0	0	0	0.0	0.0	0		
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
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S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
A	0.000	0	0	0	0	0.0	0.0	0		
B	0.000	0	0	0	0	0.0	0.0	0		
C	0.000	0	0	0	0	0.0	0.0	0		
D	0.000	0	0	0	0	0.0	0.0	0		
E	0.000	0	0	0	0	0.0	0.0	0		
F	0.000	0	0	0	0	0.0	0.0	0		
G	0.000	0	0	0	0	0.0	0.0	0		
H	0.000	0	0	0	0	0.0	0.0	0		
I	0.000	0	0	0	0	0.0	0.0	0		
J	0.000	0	0	0	0	0.0	0.0	0		
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
Q	0.000	0	0	0	0	0.0	0.0	0		
R	0.000	0	0	0	0	0.0	0.0	0		
S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
A	0.000	0	0	0	0	0.0	0.0	0		
B	0.000	0	0	0	0	0.0	0.0	0		
C	0.000	0	0	0	0	0.0	0.0	0		
D	0.000	0	0	0	0	0.0	0.0	0		
E	0.000	0	0	0	0	0.0	0.0	0		
F	0.000	0	0	0	0	0.0	0.0	0		
G	0.000	0	0	0	0	0.0	0.0	0		
H	0.000	0	0	0	0	0.0	0.0	0		
I	0.000	0	0	0	0	0.0	0.0	0		
J	0.000	0	0	0	0	0.0	0.0	0		
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
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S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
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L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
Q	0.000	0	0	0	0	0.0	0.0	0		
R	0.000	0	0	0	0	0.0	0.0	0		
S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0	0	0	0	0.0	0.0	0		
U	0.000	0	0	0	0	0.0	0.0	0		
V	0.000	0	0	0	0	0.0	0.0	0		
W	0.000	0	0	0	0	0.0	0.0	0		
X	0.000	0	0	0	0	0.0	0.0	0		
Y	0.000	0	0	0	0	0.0	0.0	0		
Z	0.000	0	0	0	0	0.0	0.0	0		
A	0.000	0	0	0	0	0.0	0.0	0		
B	0.000	0	0	0	0	0.0	0.0	0		
C	0.000	0	0	0	0	0.0	0.0	0		
D	0.000	0	0	0	0	0.0	0.0	0		
E	0.000	0	0	0	0	0.0	0.0	0		
F	0.000	0	0	0	0	0.0	0.0	0		
G	0.000	0	0	0	0	0.0	0.0	0		
H	0.000	0	0	0	0	0.0	0.0	0		
I	0.000	0	0	0	0	0.0	0.0	0		
J	0.000	0	0	0	0	0.0	0.0	0		
K	0.000	0	0	0	0	0.0	0.0	0		
L	0.000	0	0	0	0	0.0	0.0	0		
M	0.000	0	0	0	0	0.0	0.0	0		
N	0.000	0	0	0	0	0.0	0.0	0		
O	0.000	0	0	0	0	0.0	0.0	0		
P	0.000	0	0	0	0	0.0	0.0	0		
Q	0.000	0	0	0	0	0.0	0.0	0		
R	0.000	0	0	0	0	0.0	0.0	0		
S	0.000	0	0	0	0	0.0	0.0	0		
T	0.000	0</								

**We Support**

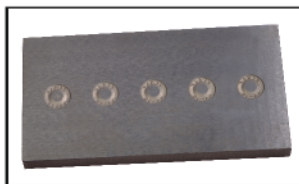


**MAKE IN INDIA**

## Trial Jobs



Button Die



## Fastner Die



## Biscuit Die



Letter Die

## Features

- **High speed Jump**  
High speed jump of 2 mtr/min maintains clean gap. This ensures highly efficient and reliable EDM machining.
- **Adaptive multi stage anti arc**  
Spark discharge is continuously monitored and instant pulse to pulse corrective actions are taken
- **Z axis reference** after power on to ensure correct z-axis co-ordinates
- **Integral design with compact footprint**
- **Auto cycle operation based on: Lift distance,**
- **LW:- Settable low wear factor for controlling electrode wear**
- Dry spark facility for electrode alignment

### Machine Specification

WORK TANK DIMENSIONS	850 x 530 x 300 mm	650 X 430 X 300 mm
TABLE SIZE	550 x 300 mm	400 X 250 mm
T SLOT	3 x 15 mm	3 x 15 mm
X AXIS TRAVEL	280 mm	200 mm
Y AXIS TRAVEL	200 mm	150 mm
Z AXIS TRAVEL	250 mm	150 mm
MAX JOB HEIGHT	250 mm	150 mm
MAX ELECTRODE WEIGHT	60 kg	50 kg
MAX JOB WEIGHT	300 kg	100 kg
PUMP MOTOR RATING	0.5 Hp 3 phase	0.5 HP 3 phase
MACHINE X & Y AXIS	Lead screw	Lead screw
MACHINE Z AXIS	Ball Screw	Lead screw
CONTROLLER Z AXIS	AC Servo with direct coupled	AC Servo with belt drive
OVERALL MACHINE WEIGHT	1000 kg	850 kg
MAX TABLE QUILL DISTANCE (WA)	350 mm	200 mm
MIN TABLE QUILL DISTANCE (WA)	110 mm	50 mm
MACHINE FOOT PRINT	1650 x 2175 x 1850 mm	1500 x 1450 x 2150 mm

### Pulse Generator

Max Working Current	15+5, 30+5, 45+5
Pulse ON-OFF Setting	Ton (1 to 999), T(1 to 12)
Max MRR * Copper to Steel	235 mm <sup>3</sup> /min.
* Graphite to Steel	240 mm <sup>3</sup> /min.
* Steel to Steel	150 mm <sup>3</sup> /min.
Min Electrode Wear	0.1 %
Surface Finish	0.8-1.3
Connected Load	3.5 kVa
Power Supply	3 phase 415 VAC

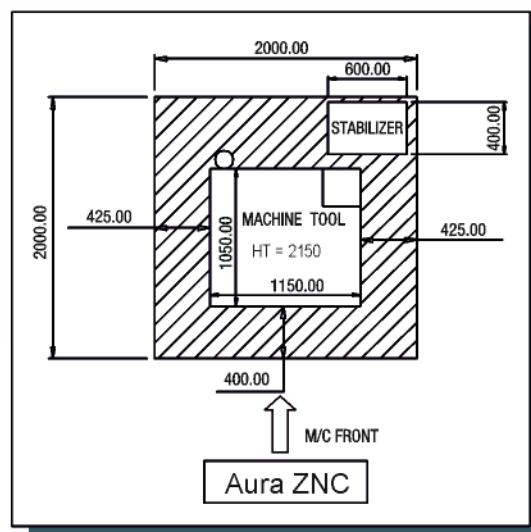
## Pulse Generator

- 10 Inch screen.
- Z Lock Facility
- 99 no. of programs and 10 steps per program
- EDM technology at a glance on screen
- 3 axes digital positioning display
- Day and night / Sleep function
- Reverse Servo machining
- Higher Material Removal Rate due to equi - energy pulse discharge
- Reduced electrode wear with high MRR
- Selectable High-speed jump function
- Adaptive anti-arc control
- Safety Interlocks
- Job set facility for electrode dialing

## Dielectric Unit

Integral with M/c	
Dielectric Capacity	300 Lit.
Filter Element	10 $\mu$
No of Filters	2 no.
Dielectric Tank width	1100 mm
Dielectric Tank depth	900 mm
Height	330 mm
Pump Motor	0.5 hp 3 phase

## Floor Plan



**Important Note :** In keeping with our constant endeavour to meet market needs, we reserve the right to alter or change the specifications mentioned, without prior notice.

– [www.ratnaparkhiedm.com](http://www.ratnaparkhiedm.com)



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