



DEXTER

6 AXIS ARTICULATED ROBOT



NO.1

Robot Manufacturer in India

50+

Projects Completed

100+

Robots Delivered

3

Manufacturing Units



DEXTER

6 AXIS ARTICULATED ROBOT



LOAD CAPACITY
10/20/30kg



REACH
1.0/1.25/1.5m



TCP SPEED
1.0m/sec



REPEATABILITY
0.1mm



USAGES



WAREHOUSE



FOOD & BEVERAGE



AUTOMOTIVE PARTS



PHARMA



ELECTRONICS PARTS



COSMETIC



CLOTHES



ROBO-PAINT



PAINT ANY SURFACE



MULTI ROBOT COORDINATION



LARGE PAINT VOLUME



SELF PROGRAMMING

ROBO-WELD



WELD ANY SURFACE



MULTI ROBOT COORDINATION



3D SEAM TRACKING



SELF PROGRAMMING

ROBO-BLAST



BLAST ANY SURFACE



MULTI ROBOT COORDINATION

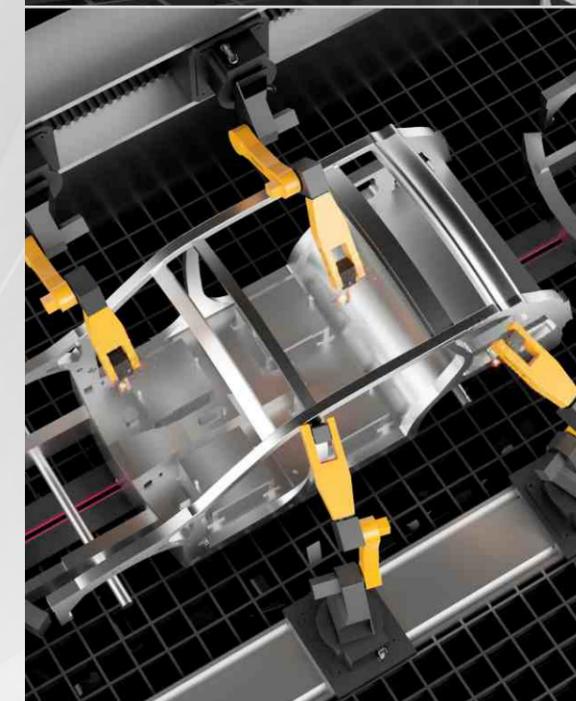


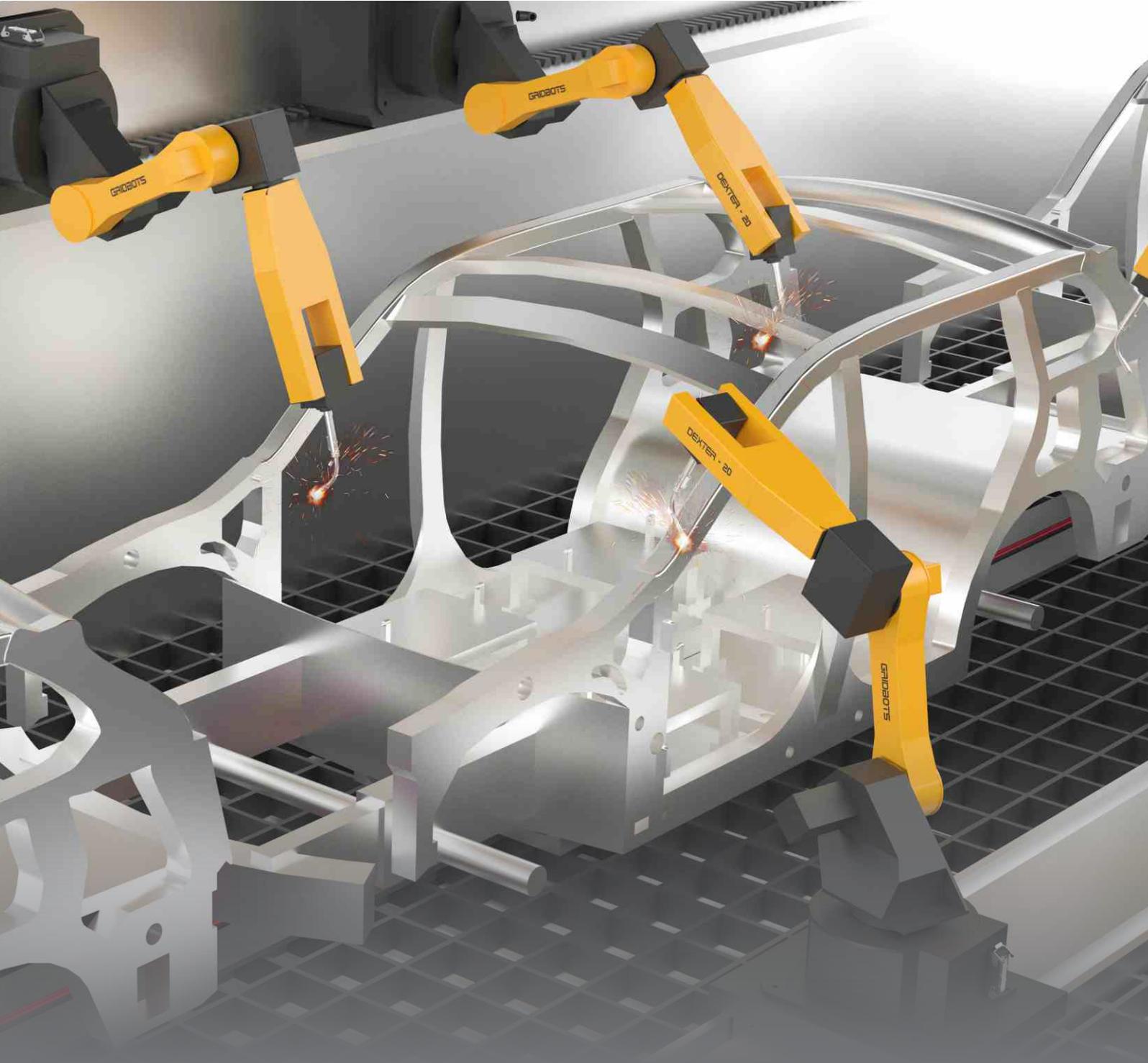
3D SEAM TRACKING



SELF PROGRAMMING

VARIANTS	DEXTER-10	DEXTER-20	DEXTER-30
Payload Capacity	10 Kg	20 Kg	30 Kg
Number of Axis	6	6	6
Repeatability	0.1 mm	0.1 mm	0.1 mm
Reach	1.0 Meter	1.25 Meter	1.5 Meter
TCP Speed	Up to 1 M/sec	Up to 1 M/sec	Up to 1 M/sec
Power Rating	700 Watts	1000 Watts	1200 Watts
Robot weight	25 kg	30 kg	40 kg
JOINTS RANGE			
J1	±170°	±170°	±170°
J2	- 185°/65°	- 185°/65°	- 185°/65°
J3	- 120°/180°	- 120°/180°	- 120°/180°
J4	±165°	±165°	±165°
J5	- 115°/140°	- 115°/140°	- 115°/140°
J6	±350°	±350°	±350°
JOINTS SPEED			
J1	220°/s	220°/s	220°/s
J2	178°/s	178°/s	178°/s
J3	270°/s	270°/s	270°/s
J4	430°/s	430°/s	430°/s
J5	430°/s	430°/s	430°/s
J6	630°/s	630°/s	630°/s
I/O PORTS			
Digital In	12	12	12
Digital Out	12	12	12
Analog In	4	4	4
Analog out	4	4	4
MOUNTING POSITION			
Mounting Position	FLOOR - CEILING - WALL - DESIRED ANGLE	FLOOR - CEILING - WALL - DESIRED ANGLE	FLOOR - CEILING - WALL - DESIRED ANGLE
SAFETY			
TOF Sensors	6x	6x	6x
E-Stop	2x	2x	2x
Impact Sensor	1x	1x	1x
ENVIRONMENTAL			
IP Rating	54	54	54
Temperature	5 °C to 45 °C	5 °C to 45 °C	5 °C to 45 °C
Humidity	95%, Non- Condensing	95%, Non- Condensing	95%, Non- Condensing
COMPUTER			
On Board Computer	i7 [11'th Gen]	i7 [11'th Gen]	i7 [11'th Gen]
GPU	nvidia - 1080	nvidia - 1080	nvidia - 1080
RAM	16 GB	16 GB	16 GB
Aux Controller	ARM-32 Bit	ARM-32 Bit	ARM-32 Bit





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