



REDEFINING RELIABILITY



THE COMPANY

Bradma: Pioneering Marking & Traceability Solutions Since the 1960s

As a part of Forbes & Company Ltd., under the industrial and construction conglomerate - Shapoorji Pallonji Group, Bradma has been at the forefront of innovation in marking and traceability solutions for over six decades. Our expertise spans across diverse industries, including Automotive, Defence, Railways, Heavy Engineering, and Pharma.



With a legacy of continuous improvement, Bradma delivers end-to-end marking solutions from component to chassis marking in the Engineering & Automotive sectors. Bradma expanded its product portfolio into Traceability solution offerings for finished goods in the Renewable Energy components and Pharma industries. Our solutions are designed to evolve with industry needs, ensuring unmatched precision, reliability, and adaptability across a wide range of applications, including industrial 4.0 solutions.

Our latest offerings in the marking and traceability segment are peer marking and laser SPM's for industrial automation.



Vision

To be a solution provider to the customers with the technologies in the field of Marking & Traceability solutions, Industrial Automation & Industry



Quality Policy

We commit ourselves to provide customer solutions by delivering innovative products in the field of marking traceability & industrial automation through continual improvement by active participation of our employees.

We remain committed toward environment and statutory compliances



Mission

- To inculcate innovation led organizational culture to be a front runner in the field of technology
- To add value to the customers' business while adhering to our core values of QDP: Quality, Price, Delivery & the 5C's: Convenience, Comfort, Care, Commitment and Customer Satisfaction (Customer Delight)
- To develop a strong inhouse Design & Development skillset to enhance the quality of solutions
- To establish the cost leadership through world class manufacturing and operational excellence
- To be accountable towards the interest of all stakeholders, environment & society at large through all our actions and decisions.

LINE AUTOMATION & SPM



Conveyors



Assembly Lines



SPM

ROBOTICS MATERIAL HANDLING & TRACEABILITY SOFTWARE



Robotics



Manipulators



Track & Trace Software

TRACKING & ONLINE INSPECTION



Vision System Integration



RFID Integration



On-line Inspection

CUSTOMISED MARKING SOLUTIONS

Our latest offering in marking & traceability solutions is a comprehensive marking portfolio tailored for automotive and general engineering industries. Our aim is to extend this portfolio and provide maximum value and precision.

OUR VALUE-ADDED SERVICES INCORPORATE



Precision Engineering

Our standard machines are built with precision engineering to ensure accuracy in every marking whether on intricate components or conducting high-volume production runs. Our machines guarantee consistent results over complete life cycle.



Robust Construction

Built to withstand the rigors of heavy-duty manufacturing environments, our machine's sturdy frame is engineered to endure and deliver under demanding conditions, ensuring long-term reliability and minimal downtime.



User-Friendly Interface

Our sophisticated machines feature intuitive user interfaces which help simplify operations and seamless interactions both in PLC and Customer's ERP system.



Advanced Technology

Stay ahead of the curve with our standard machines equipped with advanced technology integration. From cutting-edge automation capabilities to smart monitoring systems and remote diagnostic.

BENEFITS



Increased Productivity

Streamline your production processes and boost efficiency with our standard machines, enabling you to meet your customer need for component identification till the end of product life cycle.



Cost-Effective Solutions

Our standard machines offer exceptional value for money, delivering high-performance capabilities at competitive prices, thereby maximizing your return on investment.



Reliable Performance

Minimal downtime and disruptions ensure uninterrupted operations and help maintaining your competitive edge in the market.

STANDARD MACHINE OFFERINGS

DP-SP-03-CH/AX

Dot Peen Large components

DP-SP-03-FR

Frame Marking Machine (VIN)

DP-PR-03-FR

Race Cone Press – VIN Marking

LA-SP-01-CR/CA

Laser marking machine
for small Components

LA-SP-02-CC/CY/CB

SPM-Laser Mid Size Components

LA-SP-04-CY/CB

SPM-Laser-Dusty Environment (LPDC)

DP-NT-03-CH/AX/GC

Nose Tool Dot Peen

LA/DP-FX-01-NP

Name Plate Marking Fixture

IP28PN/H

Impact Press

RH15

Handheld Roll Marking Machine

RP30/50/100

Pneumatic Roll Marking Machine

RH200

Hydraulic Roll Marking Machine

P-SP-RP100

RP100 SPM

H-SP-RH200

RH200 SPM

01
DP-SP-03-CH/AX

DOT PEEN MARKING MACHINE: LARGE COMPONENTS



- ▶ The DP-SP-03-CH/AX Dot Peen SPM marking machine is a specialized solution from Bradma designed to cater large-size components, including axial, Cowl, tractor chassis, 4W cylinder heads, cylinder blocks, and cross members of the cowl.
- ▶ Accommodating customised fixturing and open-top design, the DP-SP-03-CH/AX facilitates effortless loading and unloading, ensuring seamless integration into line assembly processes.
- ▶ Bradma DP-SP-03-CH/AX machine boasts of a specialized fixture equipped with advanced component clamping part sensing and necessary interlocks.
- ▶ DP-SP-03-CH/AX offers advanced connectivity options including PLC, Ethernet, and Serial Communication, seamlessly integrated with Bradma software.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos.
- ▶ Offer comprehensive services to integrate our equipment with your Manufacturing Engineering system or to broadcast data directly from your server.

FEATURES



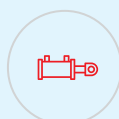
Safety

Light Curtain; Two Hand Push Button; Wire mesh from three sides



Electrical

In-built control panel below Base; Isolation Transformer, Tower Lamp.



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

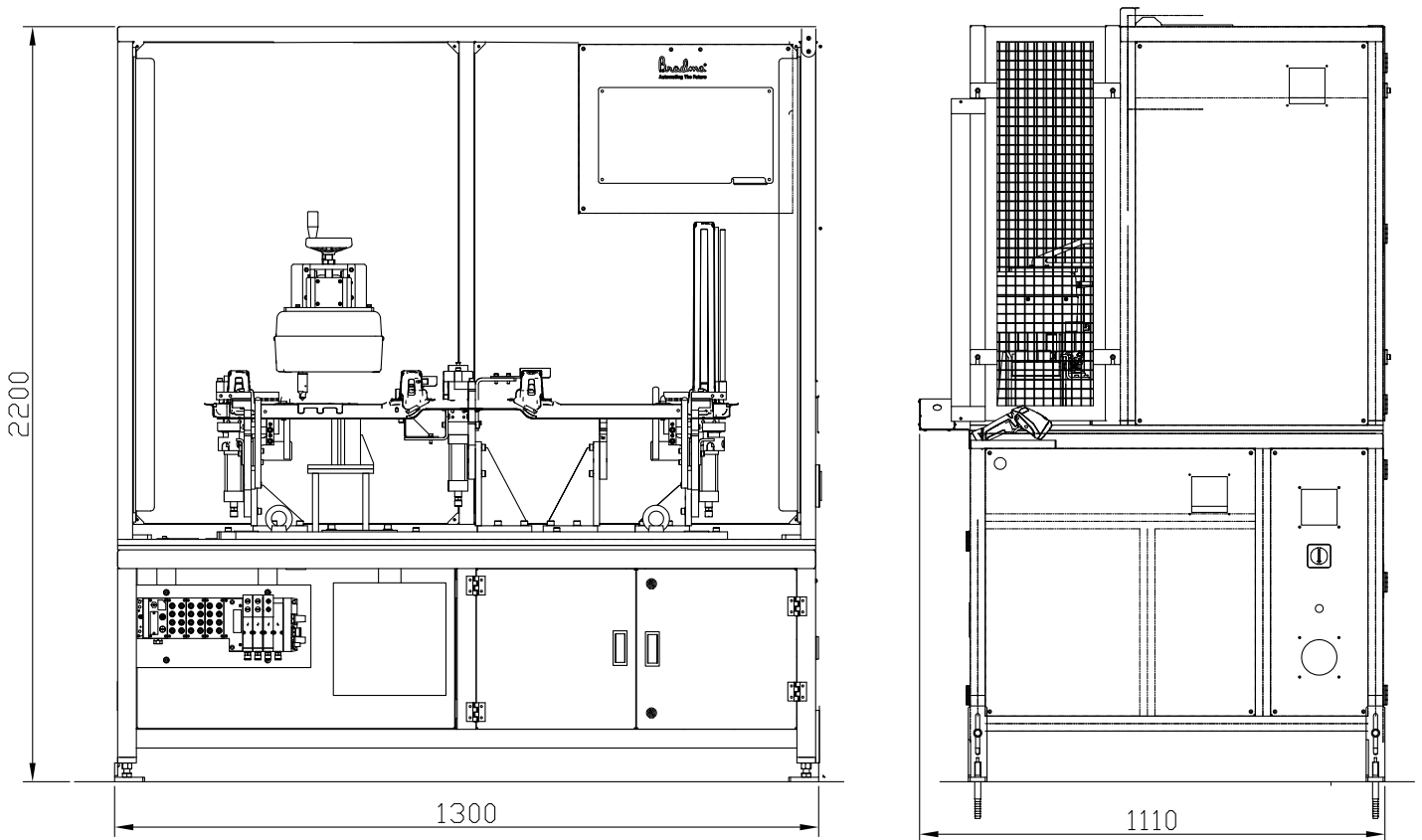
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic

DP-SP-03-CH/AX - TECHNICAL SPECIFICATION



Machine Dimensions	Width 1300 mm X Depth 1110mm X Height 2200 mm
Space for Fixture	Width 1200 mm X Depth 260 mm X Height 350 mm
Machine Weight	800 kg approx.
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS- 1kVA
Air Supply	Clean and dry, 2.8 to 6.9 bar (40 to 100 psi)
Marking Technology	Dot Peen
Maximum Marking Window	150 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (noncondensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ Air Dryer + Air Booster, Air Flow Sensor
- ▶ Panel AC, Electromagnet clamping System, Foot Switch
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)
- ▶ Marking Technology: Scribe (190mmX63.6mm)

DP-SP-03-FR

02

FRAME MARKING MACHINE (VIN)



- ▶ Frame Marking Machine is best in class solution for VIN Marking of two-wheeler frames.
- ▶ DP-SP-03-FR is designed for flexibility, seamlessly operates as a powerful stand-alone unit. With a cutting-edge marking head it delivers flawless pencil traceability, meeting all statutory requirements of frame both for internal combustion and electric vehicles.
- ▶ Featuring a versatile range of window sizes, our machines accommodate diverse character dimensions with precision. Whether you prioritize the clarity of dot marking or accuracy of scribe. Bradma offers customizable options to perfectly suit your needs.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos.
- ▶ Special Note: On demand these machines can be offered in vertical frame mounting arrangement.

FEATURES



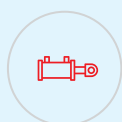
Safety

Light Curtain; Two Hand Push Button; Wire mesh from three sides



Electrical

In-built control panel below Base; Isolation Transformer, Tower Lamp.



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

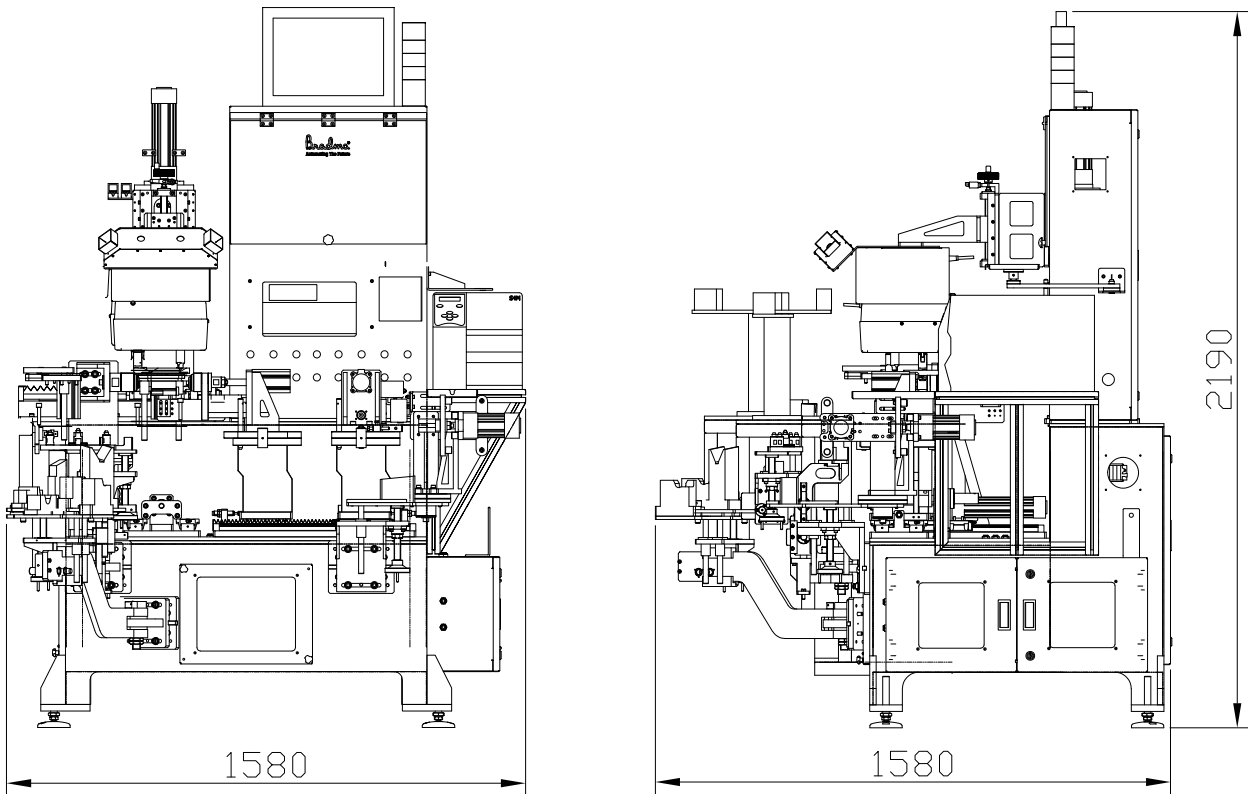
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic.

DP-SP-03-FR - TECHNICAL SPECIFICATION



Machine Dimensions	Width 1250 mm X Depth 1600mm X Height 1950 mm
Space for Fixture	Width 1250 mm X Depth 1000 mm X Height 900 mm
Machine Weight	600 kg approx.
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS- 1kVA
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Marking Technology	Dot Peen
Maximum Marking Window	150 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (non-condensing) Relative Humidity 90%
Controls	PLC & HMI - Mitsubishi/Siemens with ethernet and serial connectivity
Material of construction	Fabricated structure, sheet metal cladding, hardened fixture parts up to 45 HRC
Installation	Levelled & Anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional
- ▶ 3rd party hardware interface
- ▶ Air Dryer + Air Booster, Air Flow Sensor
- ▶ Panel AC, Foot Switch.
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)
- ▶ Marking Technology: Scribe (190mmX63.6mm)

RACE CONE PRESS/FRAME MARKING (VIN)



- ▶ The DP-PR-03-FR, Bradma Race cone and dot peen marking machine an innovative machine features dual-acting hydraulic fixture, seamlessly combining race cone pressing at both ends and marking all in a single stroke.
- ▶ With dual pressure hydraulic cylinder the DP-PR-03-FR ensures precise seating of the race cone in the head pipe without any structural deformation during the marking cycle.
- ▶ For enhanced precision optional load cells are provided for the measurement of pressing force. This additional feature guarantees optimal performance and accuracy throughout the entire operational lifespan, ensuring consistent quality and reliability.
- ▶ The design of the fixture is engineered for maximum efficiency, requiring minimal change to accommodate different race cone diameters. (Mandrel Bush)
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos.
- ▶ Special Note: On demand these machines can be offered in vertical frame mounting arrangement.

FEATURES



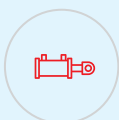
Safety

Light Curtain; Two Hand Push Button; Wire mesh from three sides



Electrical

In-built control panel below Base; Isolation Transformer, Tower Lamp.



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operations.



Marking Patterns

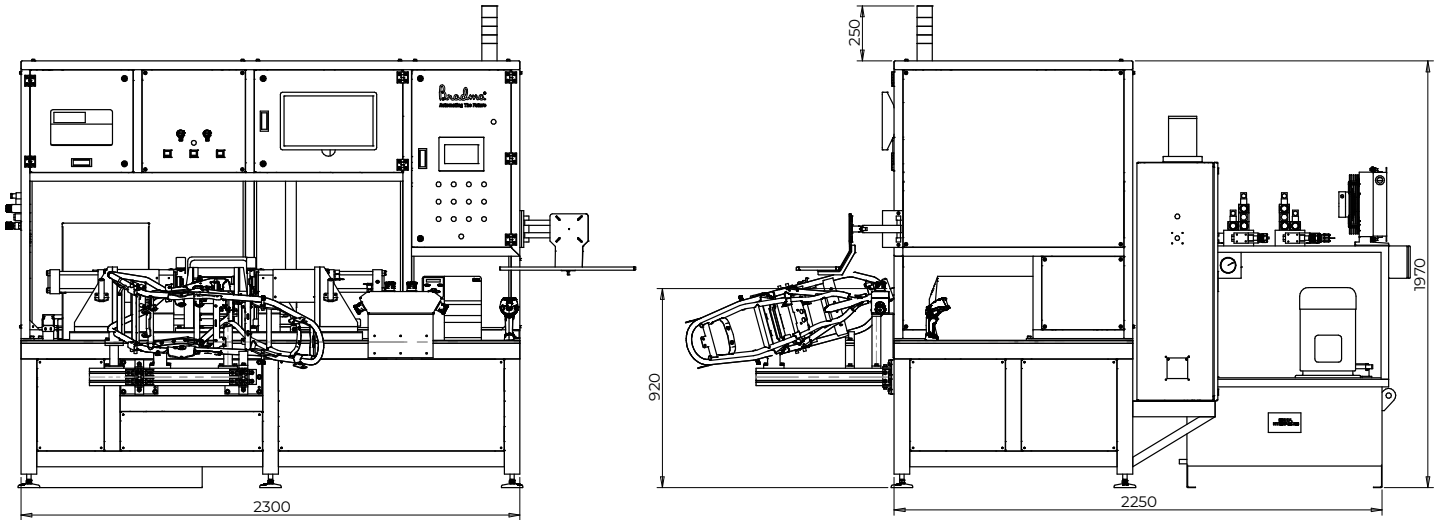
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic.

DP-PR-03-FR - TECHNICAL SPECIFICATION



Machine Dimensions	Width 2300 mm X Depth 2250mm X Height 1970mm
Space for Fixture	Width 300 mm X Depth 275 mm X Height 275 mm
Machine Weight	1000 kg approx.
Electrical supply	415 V; 3 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS- 1kVA
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Hydraulic System	Double Cylinder, Dual pressure, max force 4000 kg (Yuken make)
Marking Technology	Dot Peen
Maximum Marking Window	150 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (non condensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & Anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ Air Dryer + Air Booster, Air Flow Sensor
- ▶ Panel AC, Load Cell for pressing force measurement, Foot Switch.
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)
- ▶ Marking Technology: Scribe (190mmX63.6mm)

LASER MARKING MACHINE SMALL COMPONENTS



- ▶ Leveraging laser technology for marking provides a distinctive advantage in creating combinations of alphanumeric characters, barcodes, QR codes customized and tailored precisely to individual requirements.
- ▶ Bradma laser marking LA-SP-01-CR/CA stands out for its quick setup, versatile marking options, and efficient data management capabilities, delivering high flexibility and precision in marking components.
- ▶ Our machine features advanced clamping interlocks which guarantee rigid component clamping during marking cycle in place during the marking process. This machine is equipped with PLC, Ethernet, Serial Communication for data exchange and optionally Bradma advance communication software ensures seamless communication.
- ▶ At Bradma, safety is at par with performance, LA-SP-01-CR/CA SPM comes equipped with integrated light curtains and automatic doors, prioritizing safety. Additionally, a built-in safety feature mandates that both hands of the operator remain on the machine's controls simultaneously during operation, significantly minimizing the risk of inadvertent activation and ensuring a secure working environment.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos.

FEATURES



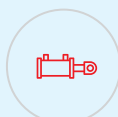
Safety

Two Hand Push Button; Light Curtain, Auto Door, Fume extractor



Electrical

In-built control panel with panel AC



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

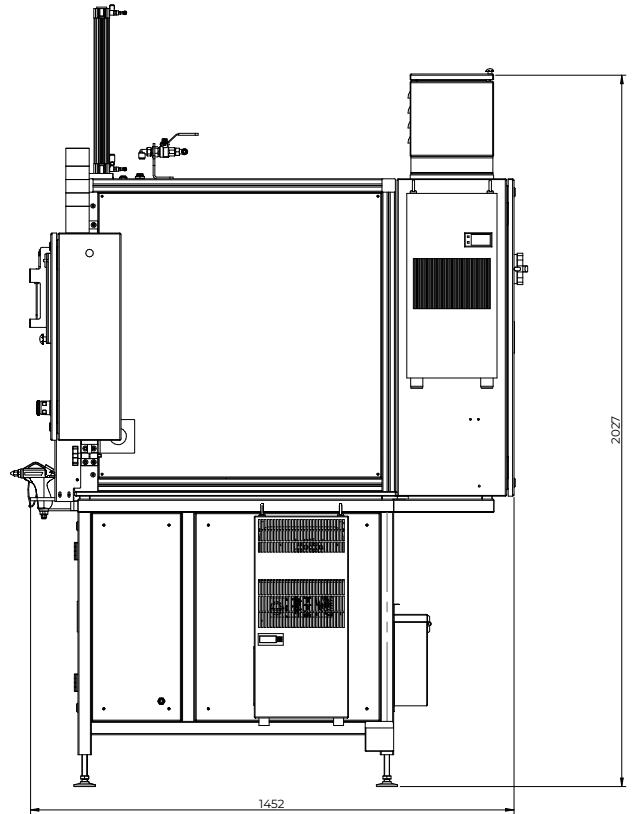
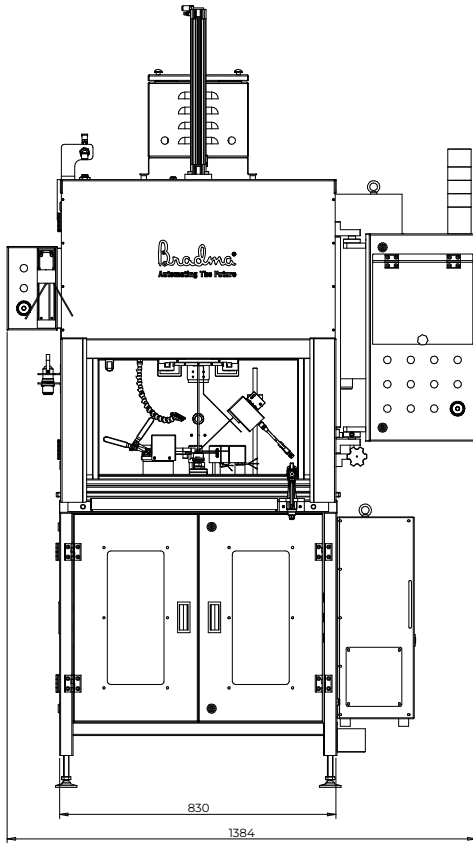
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic.

LA-SP-01-CR/CA - TECHNICAL SPECIFICATION



Machine Dimensions	Width 1384 mm X Depth 1452 mm X Height 2027 mm
Space for Fixture	Width 400 mm X Depth 230 mm X Height 170 mm
Machine Weight	400 kg approx.
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS 1kVA, Panel AC
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Marking Technology	Fiber Laser (20/30/50 W)
Maximum Marking Window	100 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (non condensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & Anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ 3D Laser (20W only) marking on curved surface (100mmX-100mmX+/-21mm)
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)

LASER MARKING MACHINE MID SIZE COMPONENTS



- ▶ To meet the precise marking needs of the automotive industry, for both four-wheeler and two-wheeler vehicles, Bradma presents the LA-SP-02-CC/CY/CB. The LA-SP-02-CC/CY/CB is tailored to mark critical components such as cylinder blocks, cylinder heads, and crank cases precision in quality, pencil traceability and accuracy in marking location, ensuring future traceability.
- ▶ The LA-SP-02-CC/CY/CB machine has specialized fixtures equipped with advanced component clamping interlocks. These state-of-the-art fixtures guarantee precise component orientation and positioning, ensuring unparalleled marking repeatability and component alignment.
- ▶ The LA-SP-02-CC/CY/CB comes equipped with integrated light curtains and automatic doors, prioritizing safety. significantly minimizing the risk of inadvertent activation and ensuring a secure working environment.
- ▶ We offer an optional laser with auto-focusing capabilities for part sensing and auto-correcting focal distance. This advanced feature ensures consistent marking depth, aligning with pencil marking for statutory requirements.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos

FEATURES



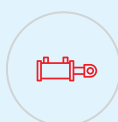
Safety

Two Hand Push Button; Light Curtain, Auto Door, Fume extractor



Electrical

In-built control panel with panel AC



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

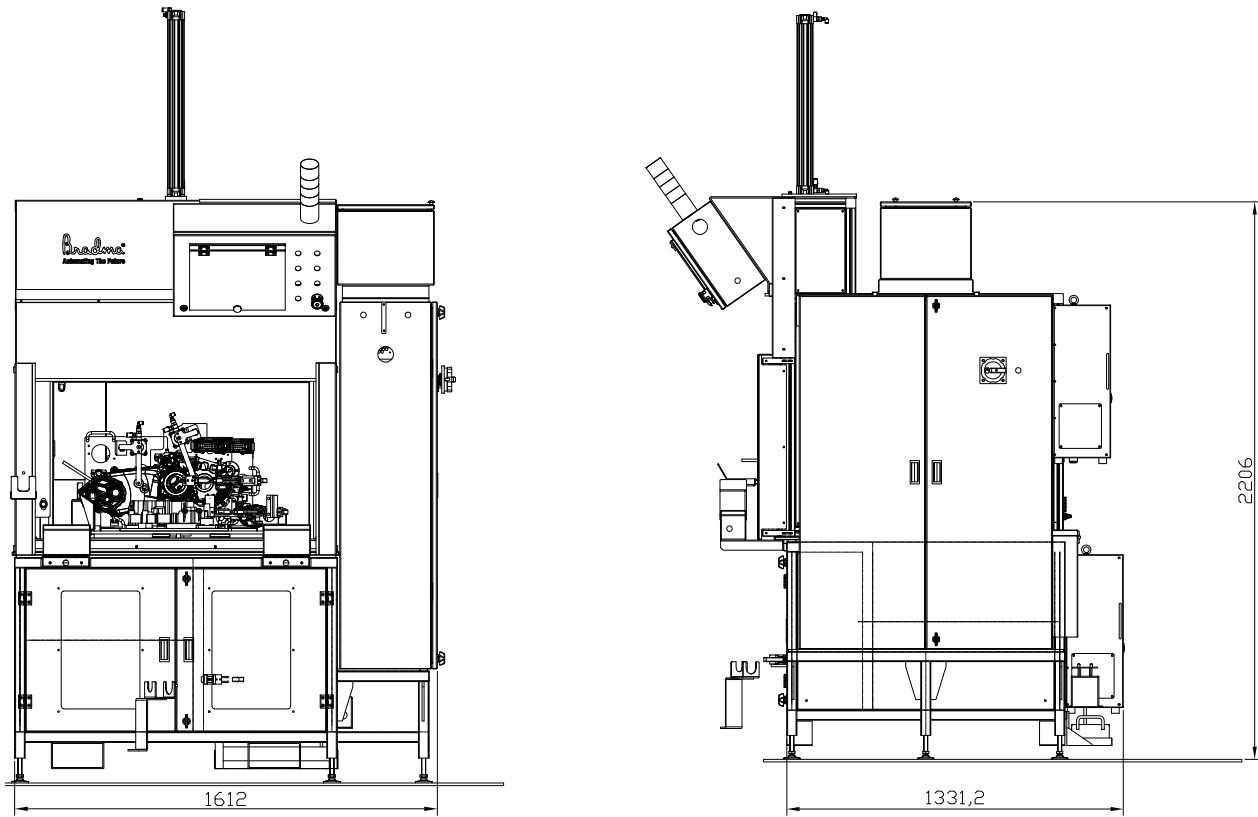
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic.

LA-SP-02-CC/CY/CB - TECHNICAL SPECIFICATION

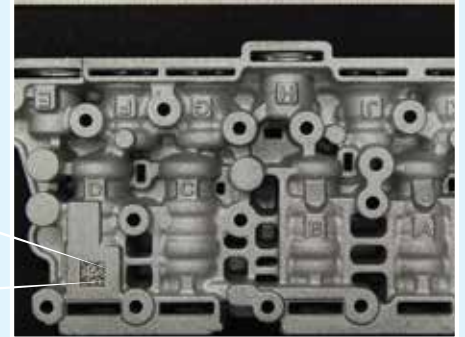


Machine Dimensions	Width 1612 mm X Depth 1331.2mm X Height 2206 mm
Space for Fixture	Width 680 mm X Depth 300 mm X Height 340 mm
Machine Weight	500 kg approx.
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS 1kVA, Panel AC
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Marking Technology	Fiber Laser (20/30/50 W)
Maximum Marking Window	100 mm X 100 mm
Operating Temperature/Humidity	10 to 50C (non condensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & Anchored
Color(before installation)	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ Marking Window (212mmX212MM)
- ▶ 3D Laser (20W only) marking on curved surface (100mmX-10mmX+/-21mm)
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)

LASER MARKING MACHINE DUSTY ENVIRONMENT (LPDC)



- ▶ A derivative of Bradma LA-SP-04-CY/CB can effectively operate in the harsh and dusty environment of a low-pressure die casting. providing optimum performance, minimal down time and lowest cost of ownership to customer.
- ▶ The LPDC section at the customer's site presents a unique challenge of higher-than-ambient temperature and casting core dust. To address this environment effectively, the LA-SP-04-CY/CB features a hollow base structure with a dedicated sand collection bin for easy removal of sand debris.
- ▶ Our innovative fixture design incorporates modular fixture elements, enabling swift replacement in the event of wear or damage. Also, LA-SP-04-CY/CB is equipped with dust proof electrical control panel with inbuilt AC unit. Improving overall efficiency and machine uptime.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos

FEATURES



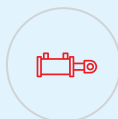
Safety

Two Hand Push Button; Light Curtain, Auto Door, Fume extractor



Electrical

In-built control panel with panel AC



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

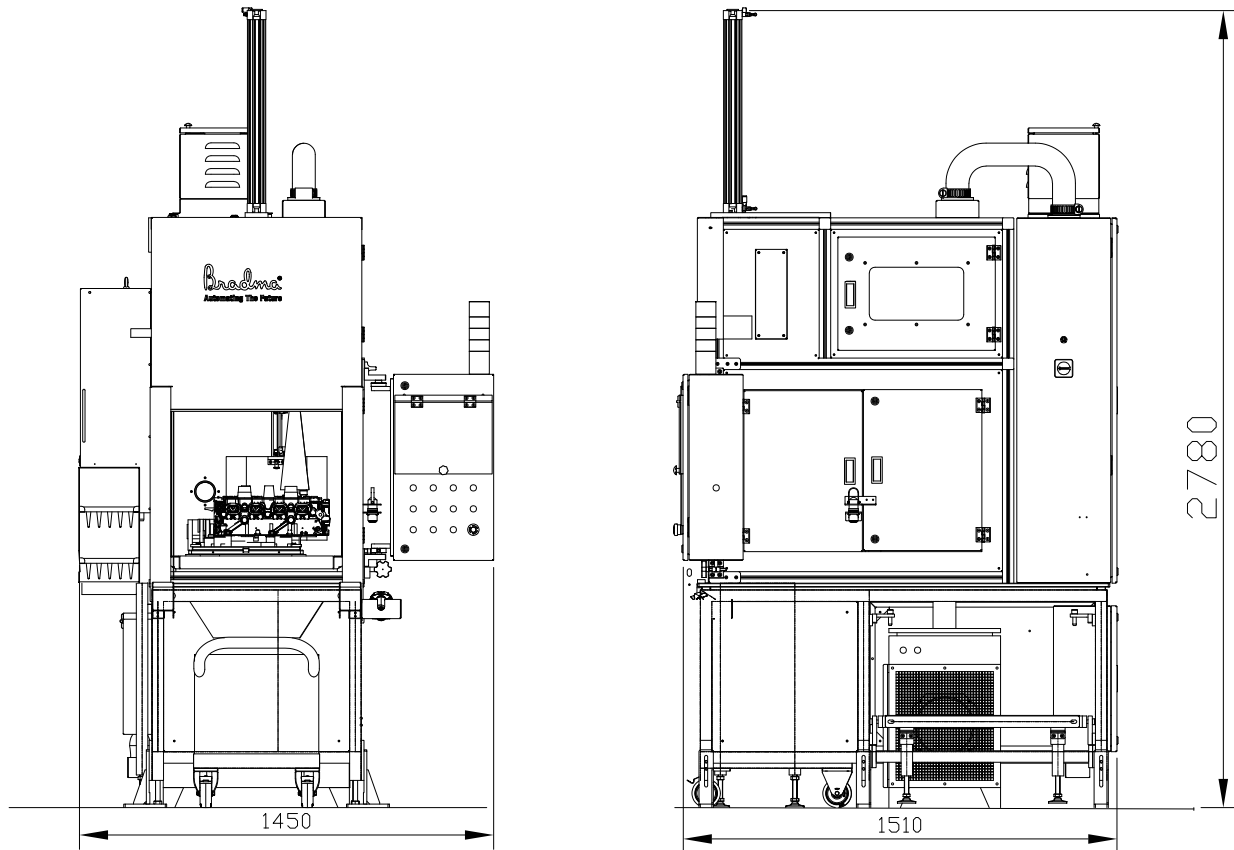
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic.

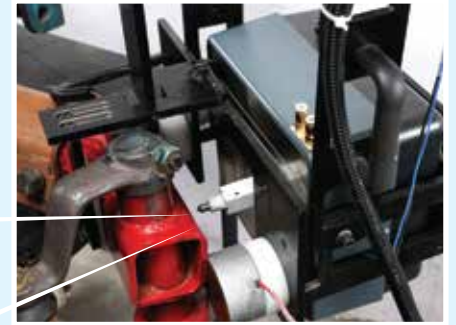
LA-SP-04-CY/CB - TECHNICAL SPECIFICATION



Machine Dimensions	Width 1612 mm X Depth 1331.2mm X Height 2206 mm
Space for Fixture	Width 350 mm X Depth 200 mm X Height 300 mm
Machine Weight	500 kg approx.
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS 1kVA, Panel AC
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Marking Technology	Fiber Laser (20/30/50 W)
Maximum Marking Window	100 mm X 100 mm
Operating Temperature/Humidity	10 to 50C (non condensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & Anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ 3D Laser marking on curved surface (100mmX10mmX- +/-21mm)
- ▶ IP Rated Control Panel with Rittal AC
- ▶ Color: Customer Choice (RAL No. to be specified)



- ▶ Introducing the DP-NT-03-CH/AX/GC, a unique offering from Bradma tailored to accommodate Over-size components such as vehicle chassis, axles, heavy castings, and gear cases.
- ▶ Built on an open architecture, the DP-NT-03-CH/AX/GC has a spring balancer system, guaranteeing effortless mobility of the marking head while minimizing operator fatigue.
- ▶ Equipped with pneumatic clamping and a user-friendly operating console complete with start, stop, clamping, and de-clamping functions, our machines ensure seamless operation and monitoring throughout the marking cycle.
- ▶ Bradma DP-NT-03-CH/AX/GC provides customizable options of precision by scribe, or the clarity of dot marking elevating your marking experience.
- ▶ The machine is capable of marking alpha-numeric barcodes, QR / 2D codes and customised patterns / logos

FEATURES



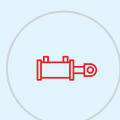
Safety

Light Curtain; Two Hand Push Button; Wire mesh from three sides



Electrical

In-built control panel below Base; Isolation Transformer, Tower Lamp



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)



Software

Bradma Software for standalone operation



Marking Patterns

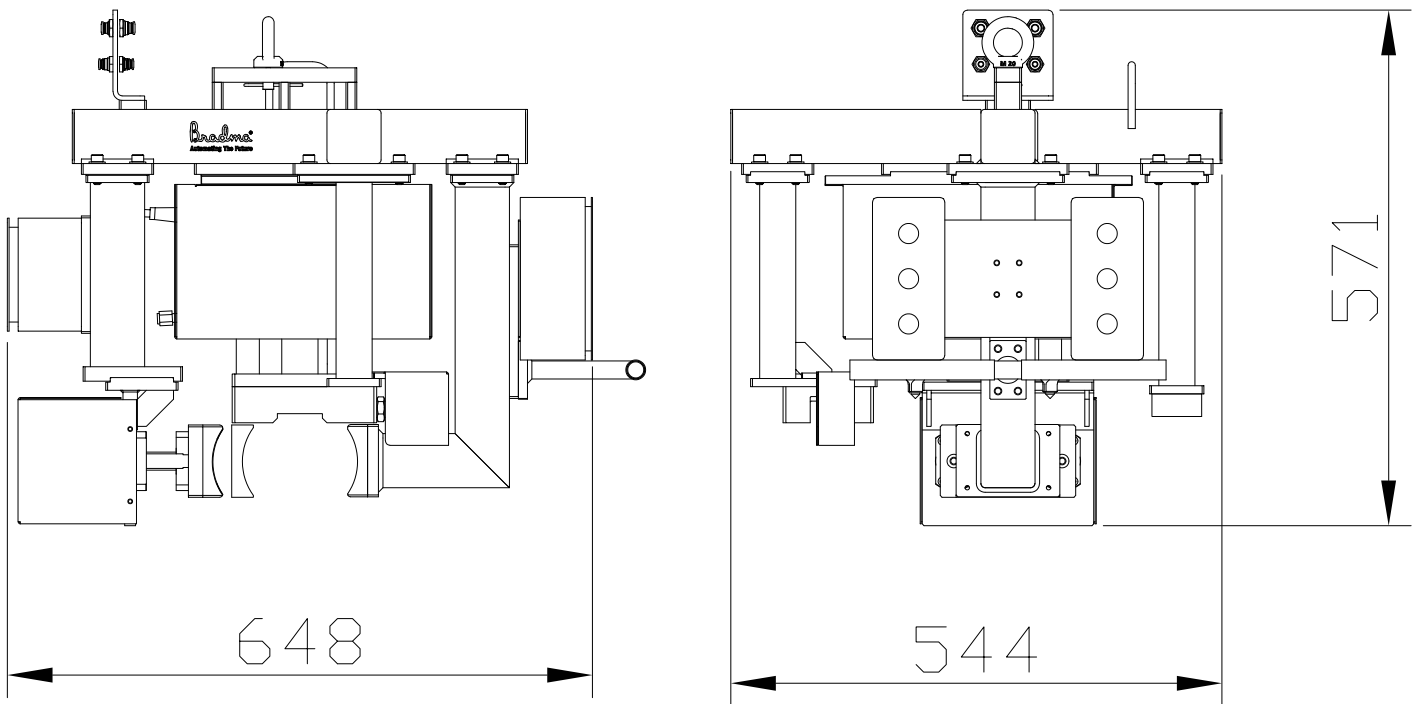
Alpha-numeric barcodes, QR / 2D codes and customised patterns / logos



IoT / Remote Diagnostic

The SPM provides you flexibility for remote diagnostic

DP-NT-03-CH/AX/GC - TECHNICAL SPECIFICATION



Machine Dimensions	Nose Tool:- Width 650 mm X Depth 550mm X Height 575 mm Controller Stand:- Width 680 mm X Depth 340 mm X Height 1200 mm
Pneumatic Fixture	Pneumatic operated fixture working area 380 mm
Machine Weight	60 kg maximum
Electrical supply	220 V; 1 phase; 50Hz
Electrical	MS Power coated control panel with Switchgear (Schneider); UPS 1kVA, Panel AC with 15 m long marking head cable.
Air Supply	Clean and dry, 2.8 to 6.9 bar (40 to 100 psi)
Marking Technology	Dot Peen
Maximum Marking Window	150 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (non-condensing) Relative Humidity 90%
Controls	PLC & HMI (Mitsubishi) and Dell Business PC-18.5 inch with ethernet & serial communication protocol
Material of construction	Fabricated structure, sheet metal / wire mesh enclosure, hardened fixture parts
Installation	Levelled & Anchored
Color	Off white Powder Coated (RAL No. 9001) with blackodised fixture element

OPTIONAL ACCESSORIES

- ▶ Vision System, Code Reader, Desktop Printer
- ▶ Industrial PC (Advantech PC 18.5 inch/Customer Choice)
- ▶ Bradma Traceability Software with Server and additional 3rd party hardware interface
- ▶ Color: Customer Choice (RAL No. to be specified)
- ▶ Electromagnetic Clamping

LA/DP-FX-01-NP

NAME PLATE MARKING FIXTURE



	GAWR / PNEU	TRE / PNEU DIMENSION	RM-JANTE DIMENSION	COLD INFL.PRESS. PRESSE DE GONFL. À FROID
	KG			PSI-LPC / XPa PSI-LPC / KPa
FRONT / AVANT	130	100/90-18 56H	MT2.50X18	32 / 223 32 / 223
REAR / ARRIERE	270	130/70-18 63H	MT3.50X18	36 / 248 36 / 269

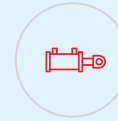
- ▶ Bradma offers Name Plate Marking Solutions with advanced Dot Peen and Laser Marking technologies. This machine ensures high-quality marking solutions with advanced positioning system which guarantees precise placement of name plates and reduces the risk of errors.

FEATURES



Safety

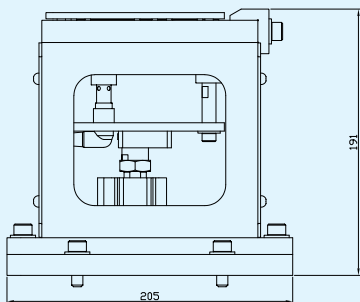
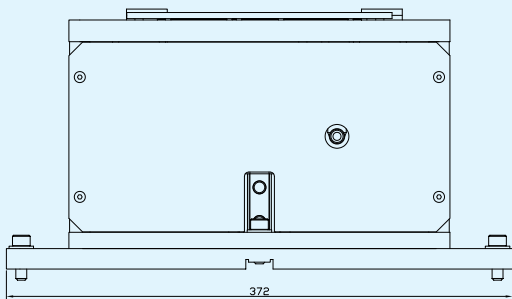
Component presence sensor, pneumatic clamping



Pneumatics

SMC (Including Reed Switch, Air Pressure S/W)

LA/DP-FX-01-NP - TECHNICAL SPECIFICATION



Fixture Dimensions	Width 370 mm X Depth 200 mm X Height 190 mm
Maximum plate size	150 mm X 95 mm
Fixture Weight	15 kg approx.
Air Supply	Clean and dry, 4.0 to 6.0 bar (40 to 100 psi)
Marking Technology	Dot Peen or Fiber Laser (20/30/50 W)
Maximum Marking Window	150 mm X 100 mm
Operating Temperature/Humidity	10 to 50°C (non condensing) Relative Humidity 90%
Material of construction	Fabricated structure, hardened wear parts

OPTIONAL ACCESSORIES

- ▶ Ejector Mechanism

IP28PN/H

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DIE HARD IMPACT PRESS



FEATURES

- ▶ Easy - to - adjust impact force.
- ▶ Automatic compensation for different workpiece thickness (note: Airline Pressure is only compressing the spring - not for determining impact force).
- ▶ Ideal for LIGHT ASSEMBLY WORK and for SHEET METAL WORK (Rivetting, flaring,
- ▶ Fine-ground working table surface with T-slots for speedy fitting of work - holding fixtures.

TECHNICAL SPECIFICATION

	IP28PN	IP28H
CAPACITY	2.5 T	2.8 T
DAYLIGHT	273 mm	273 mm
THROAT	140 mm	140 mm
TABLE SIZE	160 X 160 mm	160 X 160 mm
COLUMN	60 mm dia	60 mm dia
COLLET	10 mm	10 mm
AIR LINE PRESSURE	5 kg / sq cm	-
NETT WEIGHT	60 kg	60 kg

RH15

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HANDHELD ROLL MARKING MACHINE: RH15



FEATURES

- ▶ Ideal for marking cylindrical (Solid or hollow) components of Steel, Aluminium, Brass, etc. using Bradma interchangeable Steel Types and marking Dies.
- ▶ Perfect for marking specific components such as drills, taps, engine valves, spark plugs, cutting tools, diamond tools, bushes, nozzles, sanitary fittings, hose end fittings, gas lighters and studs.
- ▶ Outstanding benefits : Low set-up time. Easy operation. High output rates. Robust construction low costs (uses standard tooling).
- ▶ Marking depth is precisely set by adjusting the vertical dove-tail slide, which can then be locked in any position for repetitive work.

TECHNICAL SPECIFICATION

MARKING CAPACITY (IN MILD STEEL)	1 Line of 3mm Characters 2 Lines of 1/16"
DIE SLIDE STROKE	125 mm
VERTICAL MOVEMENT	40 mm
CAPACITY-BASE TO DIE FACE	119 mm
HEIGHT	400 mm
WIDTH	270 mm
LENGTH	320 mm
NETT WEIGH	35 Kg

RP30/50/100

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PNEUMATIC ROLL MARKING MACHINE: RP30/50/100

FEATURES



- ▶ Ideal for marking cylindrical (Solid or Hollow) components of Steel, Aluminium, Brass etc.
- ▶ Perfect for marking specific components such as drills, taps, engine valves, spark plugs, cutting tools, diamond tools, bushes, nozzles, sanitary fittings, hoses end fittings and studs
- ▶ Low set-up time. Easy operation. High output rates. Robust construction.
- ▶ Bradma Interchangeable Steel Types or stamp marks can be mounted in holder fixed to the machine carriage.
- ▶ Hand/ Pneumatic/Hydraulic mechanisms operate the carriage producing a uniform, legible marking.

TECHNICAL SPECIFICATION

	RP30	RP50	RP100
Operation	Pneumatic		
Die Slide Stroke (mm)	100	75	60
Vertical Movement (mm)	MA	15	20
Max Daylight (Table to Die mounting face) mm	125	300	350
Normal Force (Kg)	200	500	500
Power Pack Motor	NA		
Overall Size (LXBLH) mm	650X275X450	650X400X850	750X450X1500

RH200

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HYDRAULIC ROLL MARKING MACHINE: RH200

FEATURES



- ▶ Automatic compensation for variation in workpiece diameters.
- ▶ Can mark round workpiece upto 200 mm diameter and flat workpiece upto 170 mm thickness.
- ▶ Can make upto 4 lines of 6 mm characters, or 8 lines of 3mm characters.
- ▶ Electrically controlled hydraulic cylinders operate table and marking die slide. Table pressure controls depth ensuring uniform depth.
- ▶ One master foot-pedal control for operating table and die slide cylinders in proper sequence.

TECHNICAL SPECIFICATION

Roll Marking Machine model	RH200
Operation	Hydraulic
Die Slide Stroke (mm)	75
Vertical Movement (mm)	10
Max Daylight (Table to Die mounting face) (mm)	150
Nominal Force (kg)	2000
Powerpack motor	3HP/1450 RPM /440V/3Ph
Overall Size (L X B X H) mm	1025 X 675 X 1500

P-SP-RP100

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RP100 SPM



FEATURES

- ▶ Auto feeding of parts from Bowl Feeder.
- ▶ Linear Feeder with singling arrangement.
- ▶ Automatic positioning in special cradle and marking
- ▶ Poka yoke for wrong orientation of component.
- ▶ Auto ejection of marked components in to out put Tray

TECHNICAL SPECIFICATION

Cycle time	3 sec.
Bowl feeder refilling time	1 hour
Die stroke	60 mm
Vertical Stroke	20 mm

H-SP-RH200

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RH200 SPM



FEATURES

- ▶ Rigidly fabricated, reinforced, stress relieved steel frame. Can mark round work-piece upto 200 mm diameter.
- ▶ Electrically controlled hydraulic operations: hydraulic cylinders operate table and marking die slide.
- ▶ One master foot-pedal control for operating table and die slide cylinders in proper sequence.
- ▶ Specially designed double rod cylinder for die slide.

TECHNICAL SPECIFICATION

Die Slide Stroke (mm)	75
Vertical Slide stroke (mm)	10
Max Daylight (Table to Die mounting face) mm	150
Power Pack motor	3HP/1450 RPM/440V/3Ph
Overall dimensions	1025 mm X 675 mm X 1500 mm



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