GAPGUN®PRO2

METROLOGY LAB PRECISION ON THE PRODUCTION LINE

MIL-STD-810g drop tested
ISO 17025 accredited

AUTOMOTIVE

▶ Hand-held

Automated/robotic

AEROSPACE

ENERGY

INDUSTRIAL

THIRD DIMENSION
ADVANCING MANUFACTURING

> "The support from the GapGun guys is excellent, they are highly experienced and are able to integrate the GapGun into our processes quickly and efficiently. We are very pleased with the investment"

Automotive OEM UK

Automate your non-contact precision measurement processes when you install Vectro2 into your quality processes. Vectro2 can be mounted onto a robot, cobot or fixed arm and is the automated version of the GapGun Pro2. Please get in contact with us for more information.

THE INLINE SOLUTION

Rely on a robust tool
GapGun Pro2 is IP rated and drop tested. Proven to take 1 million measurements in one year.

Take ultra-fast measurements
The GapGun Pro2 has a measurement cycle of just 1 second.

Enjoy a portable and ergonomic tool
The GapGun Pro2 can be taken to the part and can run for up to 8 hours.
100% operator approved.

THE TOOL FOR OFFLINE QUALITY CONTROL INSPECTION

Measure 100s of points of the car easily
The full colour graphic check plans can be tailored to your application and show operators exactly where to measure.

Ensure an audit trail for all measurements
GapGun Pro2 captures measurement digitally. Sensors are calibrated in an ISO 17025 certified laboratory.

Get repeatable results
For the sharpest business intelligence.

Fast	Accurate	Repeatable	Non-contact	Traceable

THE GAPGUN PRO2 COMES EQUIPPED WITH A MARKET LEADING RANGE OF FEATURES

CREATE BESPOKE CHECKPLANS
SPC3d Software lets you define sequences of measurements including photos that users can follow with minimal training.

SHARE MEASUREMENT PLANNING
Manage multiple GapGun Pro2s using one software, SPC3d, and have multiple operators working at once from one plan.

TOUCH SCREEN INTERFACE
Navigate through checkplans easily with GapGun Pro2's touch screen.

EXPORT MEASUREMENT RESULTS EASILY
Export measurement results easily to CSV, SQL, XML, Excel, PDF and other file formats. Interface with most leading SPC packages such as QDAS.

ON SCREEN RESULTS ANALYSIS
View cross sections of the measurement area and results analysis on-screen using standard red/green colouring conventions and warning sounds to indicate go/no go conditions.

CHANGEABLE SENSOR HEADS
Our trademarked "VChange" mechanism mean you can switch between sensor heads easily and quickly.

ACCESS HARD-TO-REACH PLACES WITH EXTENSION CABLE
Take measurements in awkward and small places, when you use the sensor head extention cable.

FULLY INTEGRATED WI-FI CAPABILITY
Feed measurement back to your production systems in real-time.

MULTIPURPOSE DESK DOCK
Download data straight to the PC and charge simultaneously.

HI-RANGE SENSOR HEAD CAPABILITY
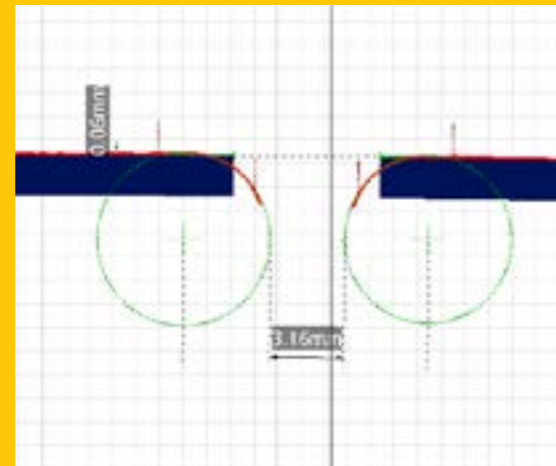Measure a range of surfaces including light clusters, chrome, high gloss black paint and carbon fibre.

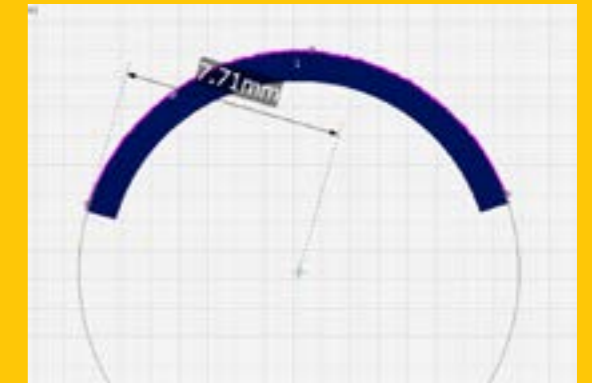# ONE TOOL
INFINITE APPLICATIONS

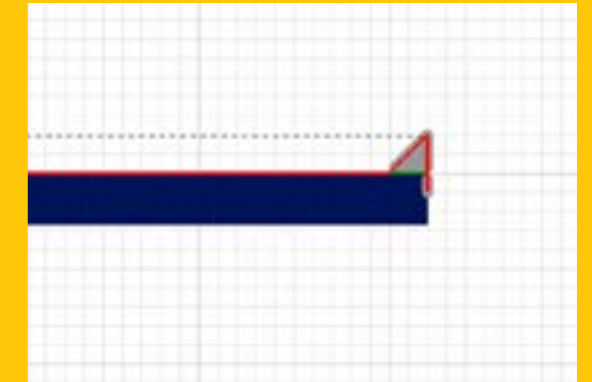**GAP AND FLUSH INTERIORS**

GAP AND FLUSH EXTERIORS

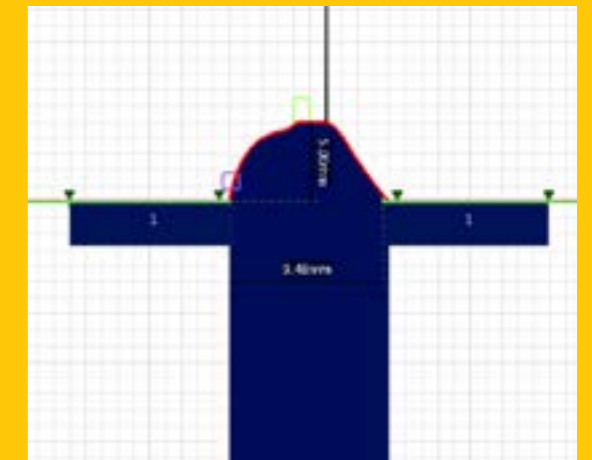**GAP AND FLUSH LIGHTS**
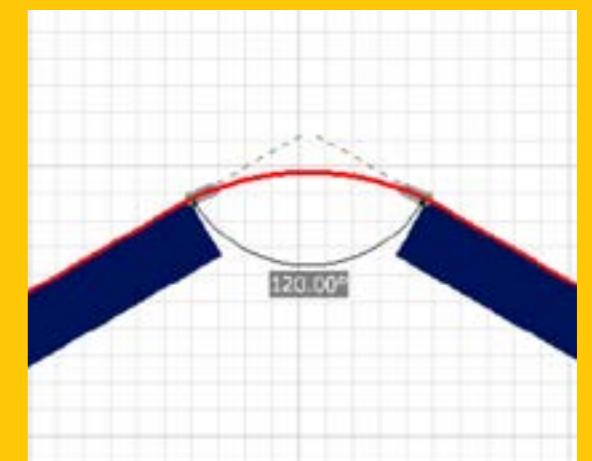

RADII

BURRS

WELD AND SEALS

ANGLES

T60 SENSOR HEAD SPECIFICATION

T60

Available in red or violet laser

Access hard to reach places with optional sensor head extension cable

SPECIFICATION

Laser	Class 2M with automatic laser intensity adjustment.
Measurement capability	Defined by specification D19-034, Sensor head includes calibration and certificate.
Operating temperature	0 to 40°C (32 to 104°F)
Shock protection	Shock protection jacket.
Size	56 x 99 x 41mm (2.2 x 3.9 x 1.6") W X D X H, Inc jacket.
Software	GapGun version 8 software.
Storage temperature	-20°C to 60°C (-4 to 140°F)
Trigger	Remote trigger mounted within the sensor head.
Weight	170g (5.9 oz)

ACCESSORIES

Included

Dock Station	Charge the GapGun Pro2 and upload data directly to a PC.
Battery Pack	Use for longer with the light-weight battery pack.
Belt Clip	Carry the GapGun Pro2 with ease.
Calibration Block	Calibrate with ease.

Optional

Head Extension Cable	Take measurements in tight and hard to access locations.
Stand-off set	Attach to the sensor head for increased throughput.

YOUR LOCAL DISTRIBUTOR WILL BE HAPPY TO HELP ADVISE YOU ON THE BEST SENSOR HEAD AND ACCESSORIES FOR YOUR APPLICATION. TO FIND A DISTRIBUTOR NEAR YOU SIMPLY EMAIL SALES@THIRD.COM

GAPGUN PRO2 DATA COLLECTOR

GAPGUN®PRO2

Display	Full colour, daylight readable LCD touchscreen
Size	97mm (3.8")
Resolution	640 x 480 pixel
Ethernet	100MBPS fast ethernet
Feedback	Audio output and haptic feedback
Operating temperature	0 to 40C (32 to 104F). Internal battery charging limited at higher temperatures.
Peripheral devices	USB 2.0 port.
Power rating (battery)	4W (4.2v @ 0.95A)
Power rating (charging)	6W (12v @ 0.5A)
Shock protection	Shock protecting cover on sensor and handle, and high impact plastic housing.
Size	90 x 135 x 190mm (3.5 x 5.3 x 7.5") W x D x H)
Software	GapGun version 8 software
Storage capacity	2GB internal storage
Storage temperature	-20°C to 60°C (-4 to 140°F)
User interface	Click and drag touchscreen, trigger and power/ reset button
Weight	460g (16oz)
Wireless	IEEE 802.11 b,g,n

COMPATIBLE PC SOFTWARE

SPC3d software pack
For checkplan configuring measurement tools, data logging, reviewing measurements.

Link software pack
Allows custom .NET programs to be written controlling the GapGun Pro2 or Vectro devices.

Inspect software pack
For manual and interactive analysis of measurement data.

Inline software pack
Allows a large overhead display of measured results.

WARRANTY AND SERVICE

1-Year warranty as standard on GapGun Pro2 and T60 sensor heads. Maintenance contracts available, please contact your local Distributor or sales@third.com for more information.

ABOUT

Third Dimension design and manufacture GapGun® (hand-held) and Vectro® (robotic) non-contact precision measurement systems. Established in 1995, we have a long track record of supplying non-contact optical measurement equipment and services to the largest names in aerospace, automotive and energy sectors worldwide.

Holder of two Queen's Awards for Enterprise, our systems have been fully integrated into quality control processes by leading OEMs, Tier 1s and 2s in the automotive, aerospace and energy sectors, worldwide.

Achieving ISO 17025 status in 2019, Third Dimension continue to lead the way in non-contact precision measurement tooling.

ARRANGE A DEMONSTRATION TODAY

Contact one of our expert Distributors in your area to arrange a free demonstration in your factory.

Unsure of who your local Distributor is?
Simply call +44(0)3333 44 3000 or email sales@third.com and we will talk through your requirements and put you in contact with the nearest Distributor to you.

GET IN CONTACT

📞 **+44(0)3333 443 000**

✉ **sales@third.com**

🌐 **www.third.com**

FOLLOW US

🐦 **@thegapgun**

f **ThirdDim**

in **Third-dimension**

Authorised Distributor

CUSTOMERS

Third Dimension's distribution network serves customers in 30+ countries worldwide. These include:

Pratt & Whitney | Lamborghini | Ferrari | Gamesa | Vestas | SIEMENS

ASTON MARTIN | GE | SAMSUNG | TOYOTA | AgustaWestland | Electrolux

Rolls-Royce | BOMBARDIER | VW | AIRBUS | Mercedes-Benz | LOTUS

GapGun and Vectro systems are designed, developed and manufactured by:

THIRD DIMENSION
ADVANCING MANUFACTURING