



MANLEO

The key factor for quality

DATUM FINDER

Product catalogue



ABOUT US

Manleo Designs Pvt Ltd (MDPL) was founded in 2021 (Legacy of Manleo Designs since 1998), and is headquartered in Bangalore, India.

Our probes have multiple industry application within the manufacturing sector like Textiles, aerospace, Defense, pharma, Die & Molds, Steel, Medical equipment that require high precision.

MDPL is selling through online, distribution partners (including Manleo Designs) & offline channels Pan India with over 700+ customers

Our Mission

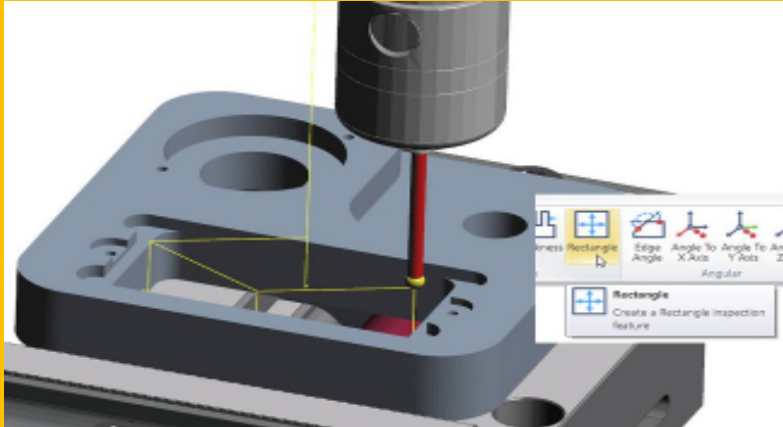
"We will build precision probes for the great magnitude. It will be durable enough to last decade, but easy enough for individuals to run and maintain it. It will be designed and constructed by the best materials, by the best engineers to be hired, after the simplest designs that modern engineering can devise. But it will be so affordable in price that no company owner making good machining will be unable to own one-and enjoy with his people on the shop floor the savings and blessings of hours of productive time and money for the greater good of manufacturing eco-system"



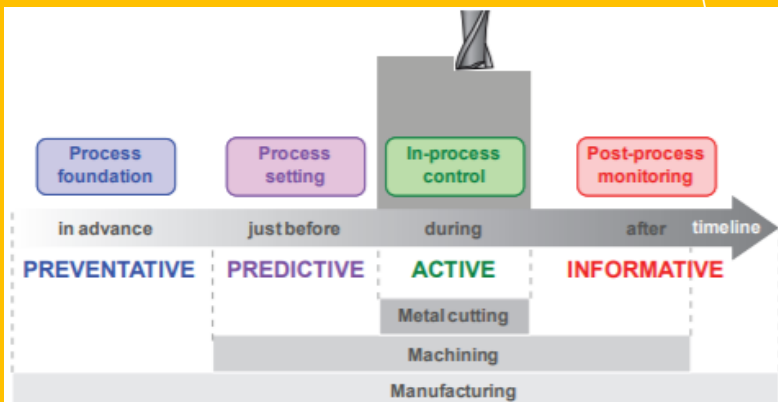
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How and where probes are used?



Probe solutions can help reduce set-up times by up to 90% and improve your process control.



A simple framework to explain how metrology solutions can deliver successful processes through the application of process control.

Probing is when a automated highly accurate device is used for work and tool measuring or referencing in CNC machines. It essentially maximizes quality, capability and accuracy of machining process.

Why Probe – Client gives money for machine running time and not machine idle time. Time spent manually setting workpiece positions and inspecting finished products will impact on manufacturing profitability.

A good probing systems:

- **Increase throughput from your existing assets**
- **Increase automation and reduce human intervention**
- **Reduce rework, concessions and scrap**
- **Enhance your capability and take on more work**
- **Reduce your total cost of ownership**



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Application	Job setting for VMC HMC machines On Machine inspection of Jigs and Molds	
Overtravel	15 degrees in X, Y side	5mm in Z+ direction
Dimensions	Height Width Depth	6Ø ball -50 mm Stylus 40Ø - 80 mm body Shank Lengths
Weight	20mm straight shank	800 grams
	With shank	700+Shank weight
Transmission type	Manual	LED & Buzzer
Battery	23A 12V	
Type	Conductivity	Conductive electrical path from body to the stylus
Works on	Any Metals	Or Conductive body
Stylus Range	Ø2-Ø6mm Ball	50-150mm Length
Sense directions	X, Y, +Z axis	
Repeatability	2 microns	
Contact trigger force	0.01 (1 grams) in Z	0.01N (1 grams) in Z
Environment	IP rating (Designed)	IP55
	Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)

BENEFITS & APPLICATION

Take X, Y, Z references (Center, Bore, Bass, Angle, Slope, Job Levelness) in < 5 Microns

Using a hack, do In-Machine inspection of your Profiles, Moulds prior to CMM inspection

Minimize Operator errors, judgement that ultimately affect product quality & delivery

Reduce **REWORK, REJECTIONS** by > 90% and Setting time by >70% in your CNC Shop floor

AFFORDABLE
DURABLE
RELIABLE
EASY



INDUSTRY THAT HIGHLY BENEFIT

DIE
MOULD



MEDICAL



AEROSPACE



AUTOMOBILE



PRECISION
ENGINEERING



DEFENSE





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CUSTOMER TESTIMONIALS

Manleo Probes has helped us deliver high accuracy & consistent quality at highly affordable investment and this is very important for us as we are in High Precision manufacturing.

Mr. Trupal Ramani, CEO, Pramukh Industries, Ahmedabad , Industry: Precision parts

Setting time has reduced a lot after using Manleo probes compared to Dials/ paper method. This is a investment I recommend to even small businesses.

Mr. Ankit Patel, CEO, Insignia CAD - CAM, Rajkot, Industry: Precision components

Rework & rejection has reduced using Manleo probes. This is a must to have for Die & Mould companies.

Mr. Atul Chadaniya, CEO, Vishal Technomation Pvt Ltd., Rajkot, Industry: Precision investment casting components

My operators are able to use Manleo Probes easily and as a business owner, I have confidence to give Probes as they are very rigid and durable.

Mr Ramanlal Mistry, CEO, SBM Engineering, Vadodara, Industry : Precision parts

Only one sentence, service and quality is good.

Mr. Jay N Champanerkar, Proprietor, Nitin Engineering

Compared to import options, Manleo Probes are highly affordable and deliver accuracy that matches world class products.

Mr. Jayesh Tajpara, CEO, Relife Ortho, Ahmedabad, Industry: Ortho Implants

Our productivity has increased manifold after we started using Manleo Probes.

Mr. Jagdish Luhar, CEO, Sushobhit Moulds, Ahmedabad, Industry: Die & Mould

Manleo team has a dedication to go out of their way to solve customer problems and provide solutions that work.

Mr. Shanti Prakash, CNC Dept., Leo Precision Products, Silvassa , Industry: Die & Mould

Manleo Probes has helped us save setting time significantly. Team is very approachable and available for any queries and support.

Mr. Parth, Plant head, Bhoomi Engineering

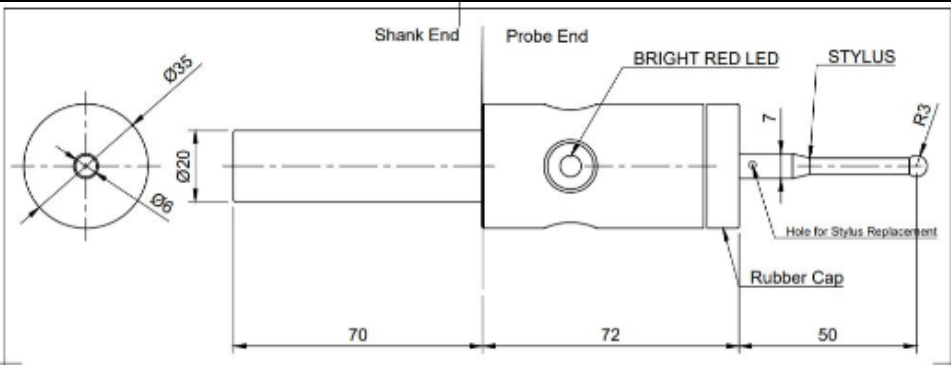
Manleo team's after sales support is very good. They helped with onsite training of our team, so that we are able to get best out of our investment.

Mr. Paras, CNC incharge, New Era Technologies, Industry: Die & Mould



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Note: In the Shank end, We supply BT, HSK, SK, CAT, ISO, MT adapters as per standards



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Reliable
Affordable
Serviceable



CONTACT US



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