

# BAKER

*....a passion for precision*

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## PRICE LIST EFFECTIVE 01-04-2023

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- AIR GAUGES
- ELECTRONIC GAUGES
- AIR-ELECTRONIC GAUGES
- AIR GAUGE SPARES
- MASTER SETTING RINGS
- MASTER SETTING DISCS
- TAPER AIR GAUGES
- CALIBRATION CHARGES

**BAKER GAUGES INDIA PRIVATE LIMITED**

**BMI DIVISION**

**CORPORATE OFFICE & FACTORY**

33 - 1 - 2, NAGAR ROAD, PUNE - 411 014. INDIA.

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www.bakergauges.com

**AN ISO 9001:2015 CERTIFIED COMPANY**



CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

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CERTIFICATE

ZERTIFIKAT



Management Service

# CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH

certifies that



**BAKER GAUGES INDIA PRIVATE LIMITED  
(BMI DIVISION)**

**33-1-2, NAGAR ROAD Pune - 411 014 INDIA**

has established and applies  
a Quality Management System for

**Design, Manufacturing and Supply of Precision Measuring Instruments,  
Air Gauges, Electronic Gauges & Customized Gauging Solutions.**

An audit was performed, Order No. **4153508230**.

Proof has been furnished that the requirements  
according to

**ISO 9001:2015**

are fulfilled.

The certificate is valid from **2021-02-07** until **2024-02-06**.

Certificate Registration No.: **12 100 7906 TMS**.

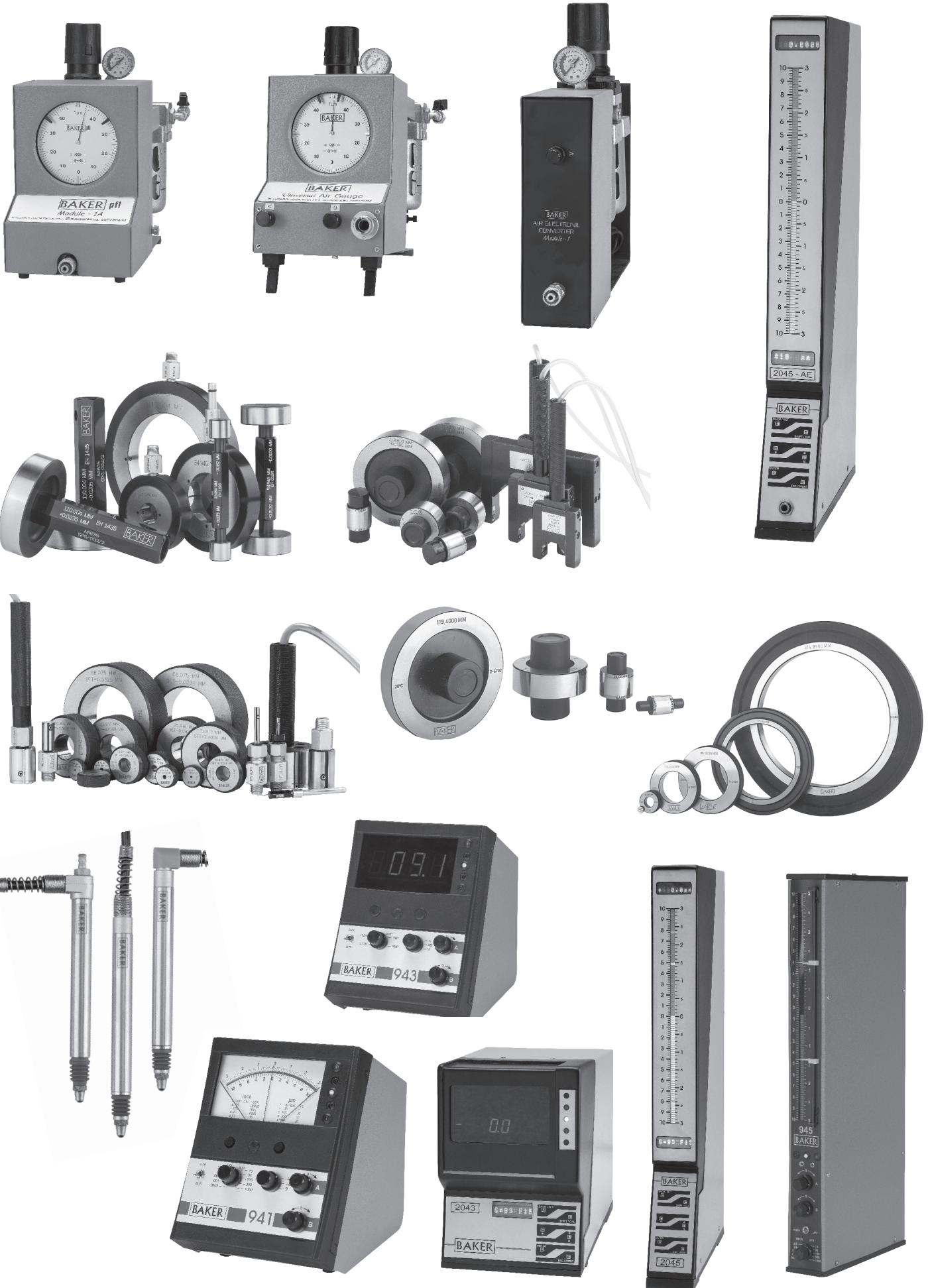


Head of Certification Body  
Munich, 2021-01-21

MS/01-07/2014

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstraße 65 • 80339 München • Germany  
[www.tuev-sued.de/certificate-validity-check](http://www.tuev-sued.de/certificate-validity-check)

TÜV®



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# AIR GAUGES & AIR-ELECTRONIC GAUGES



## MODULE-1A / MODULE-2A / MODULE-3 AIR GAUGE UNITS

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
	BAKER-PFL <b>Module-1A</b> AIR GAUGE UNIT (For Dia. 6mm to 200mm) complete with 1.2 Mtr. main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly.	
A11039000	Reading : 0.001mm Range : $\pm 0.040$ mm	31,330.00
A11529000	Reading : 0.00005inch Range : $\pm 0.002$ inch	33,410.00
	BAKER-PFL <b>Module-1A</b> AIR GAUGE UNIT (For Dia. 6mm to 200mm) complete with 1.2 Mtr. main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly.	
A11099000	Reading : 0.002mm Range : $\pm 0.080$ mm	33,410.00
A11559000	Reading : 0.0001inch Range : $\pm 0.004$ inch	33,410.00
A13029000	BAKER-PFL <b>Module-1A</b> AIR GAUGE UNIT (For Dia. 6mm to 50mm) complete with 1.2 Mtr. main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly. Reading : 0.0005mm Range : $\pm 0.020$ mm	37,330.00
	BAKER-PFL <b>Module-2A</b> AIR GAUGE UNIT (For Dia. 1.5mm to 6mm) complete with 1.2 Mtr. main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly.	
A21019000	Reading : 0.001mm Range : $\pm 0.020$ mm	34,010.00
A21519000	Reading : 0.00005inch Range : $\pm 0.001$ inch	35,270.00
A31009000	BAKER <b>Module-3</b> AIR GAUGE UNIT complete with 1.2 Mtr. main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly. Reading : 0.001mm Range : $\pm 0.040$ mm	33,070.00

## UNIVERSAL AIR GAUGE UNITS

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
	BAKER-PFL <b>Universal</b> AIR GAUGE UNIT (For Dia. 1.5mm, to 200mm) complete with 1.2 Mtr. Main Air Supply Hose along with Twin Filter, Regulator, Monogauge assembly.	
A12209000	Reading : 0.001mm Range : $\pm 0.040$ mm	34,310.00
A12229000	Reading : 0.00005inch Range : $\pm 0.002$ inch	36,590.00
A12239000	Reading : 0.002mm Range : $\pm 0.080$ mm	36,590.00
--	Reading : 0.0001inch Range : $\pm 0.004$ inch	36,590.00
A12219000	BAKER-PFL <b>Universal</b> AIR GAUGE UNIT (For Dia. 1.5mm, to 50mm) complete with 1.2 Mtr. Main Air Supply Hose along with Twin Filter, Regulator, Monogauge assembly. Reading : 0.0005mm Range : $\pm 0.020$ mm	40,640.00
A40039000	Filter-Regulator-Monogauge assembly for Module-1A / Module-2A / Module-3 / Universal Air Gauge Unit	8,830.00

## AIR-ELECTRONIC CONVERTOR

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
A16109000	BAKER Air-Electronic Convertor (AECM-1) (for Dia. 6mm to 200mm) with 1.2 Mtr main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly.	34,130.00
A26069000	BAKER Air-Electronic Convertor (AECM-2) (for Dia. 1.5mm to 6mm) with 1.2 Mtr main air supply hose (1/4" BSP) alongwith Twin Filter, Regulator, Monogauge assembly.	35,750.00
A40109000	Filter-Regulator-Monogauge assembly for AECM-1 / AECM-2	8,830.00
A40119000	Filter-Regulator-Monogauge with Bracket for Air-Electronic Transducer.	8,830.00

● For Display Electronic Units, please refer Page No. 6 of this Price List.

## MICROPROCESSOR BASED AIR-ELECTRONIC GAUGES

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E51009000	BAKER Air-Electronic, Microprocessor based, Column Gauge <b>Type 2045N-AEP</b> with Tri Colour Bar-graph & Digital Display, along with Filter, Precision Regulator, Monogauge Assembly Reading : 0.001mm Range : $\pm 0.030$ mm	58,230.00
E51009100	BAKER Air-Electronic, Microprocessor based, Column Gauge <b>Type 2045N-AEP with USB facility</b> , with Tri Colour Bar-graph & Digital Display, along with Filter, Precision Regulator, Monogauge Assembly Reading : 0.001mm Range : $\pm 0.030$ mm	66,600.00
E51089000	BAKER Air-Electronic, Microprocessor based, Column Gauge <b>Type 2045N-AEPT</b> with Two Separate Auto Switch Over Channels (operational one at a time) Tri Colour Bar-graph & Digital Display, along with Filter, Precision Regulator, Monogauge Assembly Reading : 0.001mm Range : $\pm 0.030$ mm	71,070.00
A40249000	Filter-Regulator (Precision)-Monogauge with Bracket for Type 2045N-AEP/2045N-AEPT	16,275.00

## AIR GAUGE ACCESSORIES

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
A40409000	Universal Adaptor Handle for use of Air Plug Gauge/Air Ring Gauge away from the Universal / Clearline Air Gauge Unit.	1,050.00
A40259000	Flexible Adaptor Handle for use of APG/ARG away from the BAKER-PFL Module-1A Air Gauge Unit.	1,050.00
A40309000	Flexible Adaptor Handle for use of APG/ARG away from the BAKER-PFL Module-2A Air Gauge Unit.	1,050.00
A16245000	Flexible Adaptor Handle Module-1A for use of APG/ARG away from the 2045-AE and 2045-AEP Unit.	1,050.00
A40329000	Flexible Adaptor Handle Module-2A for use of APG/ARG away from the 2045-AE and 2045-AEP Unit.	1,050.00
A40429000	Universal Adaptor Handle Assembly for use of APG/ARG away from the 2045-AE and 2045-AEP Unit.	1,050.00
	Right Angle Attachment for Air Plug Gauge.	680.00
	Depth Collar for Air Plug Gauge for dia. 6mm to 60mm	290.00
	Depth Collar for Air Plug Gauge for dia. above 60mm to 200mm	420.00
	Extension to check deeper bores (for diameter above 3mm) 25mm / 50mm	370.00
	75mm / 100mm / 150mm / 200mm (for every additional 100mm extension or part of it Rs. 125/- will be extra)	470.00

# AIR GAUGES & AIR-ELECTRONIC GAUGES



## SPECIAL AIR-ELECTRONIC READOUT UNITS

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E31649000	BAKER Special <b>Type AEP-1</b> Single Channel Tri Colour Digital Air-Electronic Readout Unit with Twin Filter, Precision Regulator, Monogauge Assembly & <b>AIR CUT-OFF FEATURE</b>	51,000.00
E31659000	BAKER Special <b>Type AEP-2</b> Twin Channel Tri Colour Digital Air-Electronic Readout Unit with Twin Filter, Precision Regulator, Monogauge Assembly & <b>AIR CUT-OFF FEATURE</b>	81,000.00
E31669000	BAKER Special <b>Type AEP-3</b> Three Channel Tri Colour Digital Air-Electronic Readout Unit with Twin Filter, Precision Regulator, Monogauge Assembly & <b>AIR CUT-OFF FEATURE</b>	1,12,000.00
E31679000	BAKER Special <b>Type AEP-4</b> Four Channel Tri Colour Digital Air-Electronic Readout Unit with Twin Filter, Precision Regulator, Monogauge Assembly & <b>AIR CUT-OFF FEATURE</b>	1,35,000.00
A40249000	Filter-Regulator (Precision)-Monogauge with Bracket for Type AEP-1, AEP-2, AEP-3, AEP-4	16,275.00

## SPC3000 LCD READOUTS

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E84409000	BAKER <b>Type SPC3000P4</b> LCD Readout having 4 Piezo inputs, 8 results <b>WITH AIR CUT-OFF FEATURE</b>	1,67,200.00
E84309000	BAKER <b>Type SPC3000P3</b> LCD Readout having 3 Piezo inputs, 8 results <b>WITH AIR CUT-OFF FEATURE</b>	1,37,500.00
E84209000	BAKER <b>Type SPC3000P2 LCD</b> Readout having 2 Piezo inputs, 8 results <b>WITH AIR CUT-OFF FEATURE</b>	1,08,900.00
E84109000	BAKER <b>Type SPC3000P1</b> LCD Readout having 1 Piezo inputs, 8 results <b>WITH AIR CUT-OFF FEATURE</b>	87,800.00
E81089000	BAKER <b>Type SPC3000P8</b> LCD Readout having 8 Piezo inputs, 8 results <b>WITH AIR CUT-OFF FEATURE</b>	2,25,500.00
E82049000	BAKER Type <b>SPC3000E4</b> LCD Readout having 4 Probe inputs, 8 results	1,45,900.00
E82089000	BAKER Type <b>SPC3000E8</b> LCD Readout having 8 Probe inputs, 8 results	1,91,000.00

## 2- Jet Standard Air Plug Gauges & Setting Rings suitable for Clearline Air Gauge Unit / Universal Air Gauge Unit / BAKER-PFL Module-1A & Module-2A Air Gauge Units / Air-Electronic Converter AECM-1 & AECM-2.

Type	Nominal Diameter Range				Thro Bore / Blind Bore Air Plug Gauge	Setting Rings for Air Plug Gauge (each)
	MM		INCH			
	Above	Upto & including	Above	Upto & including	UNIT RATE ₹	UNIT RATE ₹
"Miniature" Series	1.50 -	2.00	0.06 -	0.08	10,600.00	6,110.00
	2.00 -	3.00	0.08 -	0.12	8,840.00	3,600.00
"S" Series	3.00 -	4.00	0.12 -	0.16	5,700.00	2,570.00
	4.00 -	5.00	0.16 -	0.20	3,360.00	1,850.00
	5.00 -	6.00	0.20 -	0.24	2,700.00	1,420.00
"M" Series	6.00 -	13.00	0.24 -	0.51	1,750.00	1,230.00
	13.00 -	35.00	0.51 -	1.38	1,790.00	1,490.00
	35.00 -	60.00	1.38 -	2.36	2,190.00	1,810.00
"L" Series	60.00 -	80.00	2.36 -	3.15	3,510.00	2,350.00
	80.00 -	100.00	3.15 -	3.94	3,610.00	3,160.00
	100.00 -	110.00	3.94 -	4.33	4,020.00	4,670.00
	110.00 -	120.00	4.33 -	4.72	4,570.00	4,670.00
	120.00 -	130.00	4.72 -	5.11	5,820.00	5,750.00
	130.00 -	140.00	5.11 -	5.51	7,060.00	5,750.00
	140.00 -	150.00	5.51 -	5.90	8,790.00	6,850.00
	150.00 -	160.00	5.90 -	6.30	10,640.00	8,310.00
	160.00 -	170.00	6.30 -	6.70	12,390.00	9,730.00
	170.00 -	180.00	6.70 -	7.09	14,200.00	10,440.00
	180.00 -	190.00	7.09 -	7.48	15,980.00	11,700.00
190.00 -	200.00	7.48 -	7.87	17,760.00	12,390.00	

● Blind Bore Air Plug Gauges are supplied for diameter range 3mm to 150mm only.

## 2 JET STANDARD AIR PLUG GAUGES WITH CARBIDE SLEEVE

Nominal Diameter Range				Thro / Blind Air Plug Gauge	UNIT RATE ₹
MM		INCH			
Above	Upto & including	Above	Upto & including		
13.00	- 20.00	0.51	- 0.79	4770.00	
20.00	- 25.00	0.79	- 0.98	5370.00	
25.00	- 30.00	0.98	- 1.18	5810.00	
30.00	- 35.00	1.18	- 1.38	6260.00	
35.00	- 40.00	1.38	- 1.57	7750.00	
40.00	- 50.00	1.57	- 1.97	8640.00	
50.00	- 60.00	1.97	- 2.36	9680.00	
60.00	- 80.00	2.36	- 3.15	11160.00	
80.00	- 100.00	3.15	- 3.94	14300.00	

- For prices of corresponding Setting Rings, please refer to the table of Standard Air Plug Gauge and Setting Ring prices on Page 3.

## 2- Jet Standard Air Ring Gauges & D/E Setting Plugs suitable for Clearline Air Gauge Unit / Universal Air Gauge Unit / BAKER-PFL Module-1A & Module-2A Air Gauge Units / Air-Electronic Converter AECM-1 & AECM-2.

Type	Nominal Diameter Range				Central Jet Air Ring Gauge	Offset Jet Air Ring Gauge	D/E Setting Plug for Air Ring Gauge
	MM		INCH		UNIT RATE ₹	UNIT RATE ₹	UNIT RATE ₹
	Above	Upto & including	Above	Upto & including			
"Miniature" Series	1.50	- 2.00	0.06	- 0.08	37,090.00	-	3,150.00
	2.00	- 3.00	0.08	- 0.12	19,010.00	-	2,000.00
"S" Series	3.00	- 5.00	0.12	- 0.20	14,130.00	-	1,580.00
	5.00	- 6.00	0.20	- 0.24	11,090.00	-	1,220.00
"M" Series	6.00	- 10.00	0.24	- 0.39	6,610.00	7,960.00	1,040.00
	10.00	- 38.00	0.39	- 1.50	5,070.00	6,090.00	1,160.00
	38.00	- 50.00	1.50	- 1.97	5,730.00	6,860.00	1,250.00
"L" Series	50.00	- 65.00	1.97	- 2.56	8,900.00	10,650.00	1,510.00
	65.00	- 75.00	2.56	- 2.95	10,790.00	12,940.00	1,790.00
	75.00	- 90.00	2.95	- 3.54	12,110.00	14,550.00	1,970.00
	90.00	- 100.00	3.54	- 3.94	13,810.00	16,470.00	2,200.00
	100.00	- 110.00	3.94	- 4.33	21,380.00	25,840.00	3,740.00
	110.00	- 120.00	4.33	- 4.72	25,660.00	30,850.00	4,490.00

## 2 JET STANDARD AIR RING GAUGES WITH CARBIDE SLEEVE

Nominal Diameter Range				Central / Offset Air Ring Gauge	UNIT RATE ₹
MM		INCH			
Above	Upto & including	Above	Upto & including		
10.00	- 20.00	0.39	- 0.79	12650.00	
20.00	- 40.00	0.79	- 1.57	14140.00	
40.00	- 60.00	1.57	- 2.36	20090.00	
60.00	- 80.00	2.36	- 3.15	25980.00	

- For prices of corresponding Double Ended Setting Plugs, please refer to the above table of Standard Air Ring Gauge and Setting Plug prices.

**2- Jet Standard Air Caliper Gauges & Setting Discs suitable for Clearline Air Gauge Unit / Universal Air Gauge Unit / BAKER-PFL Module-1A & Module-2A Air Gauge Units / Air-Electronic Converter AECM-1 & AECM-2.**

Nominal Diameter Range				Central Jet / Offset jet Air Caliper Gauge	Setting Discs for Air Caliper Gauge (each)
MM		INCH			
Above	Upto & including	Above	Upto & including	UNIT RATE ₹	UNIT RATE ₹
10.00	- 25.00	0.40	- 0.98	10,600.00	750.00
25.00	- 50.00	0.98	- 1.97	12,000.00	860.00
50.00	- 75.00	1.97	- 2.95	20,720.00	1,140.00
75.00	- 100.00	2.95	- 3.94	26,080.00	1,340.00
100.00	- 125.00	3.94	- 4.92	29,460.00	1,670.00
125.00	- 150.00	4.92	- 5.90	33,280.00	1,880.00
150.00	- 175.00	5.90	- 6.89	39,900.00	4,680.00
175.00	- 200.00	6.89	- 7.87	47,900.00	5,060.00
200.00	- 225.00	7.87	- 8.86	54,900.00	5,370.00

- All Calipers upto 16 mm are supplied without carbide pads on "V" support.
- All Calipers above 16 mm are supplied with carbide pads on "V" support.
- No carbide is provided on inside faces (i.e. on Jaws of Caliper).
- If carbide is required on inside faces, special prices will be applicable.

**NOTES :**

- For Standard Bracket Mounted Air Plug Gauge / Pedestal Mounted Air Ring Gauge (for diameter above 6mm) add ₹ 910.00 to the above price.
- For Providing 3-Jet/Miniature Jet on Air Plug Gauge/Air Ring Gauge (above 6mm only), add 20% to the above price.
- For Air Plug Gauge/Air Ring Gauge with corresponding setting masters suitable for 0.0005 mm Least Count Air Gauge Unit, add 20% to the above price.
- Air Plug Gauges/Air Ring Gauges suitable for 0.0005mm Least Count Air Gauge Units are supplied upto diameter 50mm only.
- Air Plug Gauges/Air Ring Gauges with miniature jets suitable for BAKER Air Gauge Unit Module 2A/ Air-Electronic Converter Module-2 are supplied upto diameter 50 mm only.
- Please note, Air Plug Gauge requires Two Setting Rings for each size, Air Caliper Gauge requires Two Setting Discs for each size, and Air Ring Gauge require one Double Ended Setting Plug for each size. Please order accordingly.
- For special requirements, such as Multi-Jet, Squareness, Straightness, Taper, Concentricity Gauges, price shall be furnished on request. Please send technical details alongwith your enquiry.

- "Certificate of Calibration" is provided with each gauge, traceable to National/International Length Standards.
- For NABL (National Accreditation Board for Testing & Calibration Laboratories) Certification, extra charges will be applicable, which can be made available on request. For NABL Scope of Accreditation, please refer page 19 & 20.



## SPARES FOR BAKER-PFL MODULE-1A / MODULE-2A / UNIVERSAL AIR GAUGE UNITS

PART NO.	DESCRIPTION	UNIT RATE ₹
D01419000	Main Indicator for 0.001mm Module-1A / Universal Air Gauge Unit	6,325.00
D16539000	Main Indicator for 0.0005inch/0.0001inch Module-1A / Module-2A Air Gauge Unit/ Universal Air Gauge Unit	6,325.00
D01119000	Main Indicator for 0.0005mm Air Gauge Unit / Universal Air Gauge Unit	6,810.00
D01109000	Main Indicator for 0.002mm Module-1A / Universal Air Gauge Unit	6,325.00
D01199000	Main Indicator for 0.001mm Module-2A Air Gauge Unit	6,325.00
A11001210	Regulator-Monogauge Adaptor	390.00
A11001301	Monogauge for Module 1A / Module 2A Unit / AECM	610.00
S11001000	Monogauge-Elbow Adaptor	320.00
A16002700	Connecting Hose Regulator - Main Body	460.00
A11002160	Knob for Indicator Fixing	200.00
A11002120	Sleeve for Indicator Fixing	90.00
A11002500	Gauge Plug Adaptor Assembly for Module-1A	770.00
A21002500	Gauge Plug Adaptor Assembly for Module-2A	770.00
A95010003	G.P.A. 'O' Rings [Packing of 50 nos] for Module-1A	230.00
A95010010	G.P.A. 'O' Rings [Packing of 50 nos] for Module-2A	230.00
A11002330	Control Valve	950.00
A16006100	Mag Pot Assembly for AECM	3,480.00
A11001302	Pressure Gauge 4 BAR	960.00

## SPARES FOR JANATICS FILTERS FOR BAKER-PFL MODULE-1A / MODULE-2A / UNIVERSAL AIR GAUGE UNITS

PART NO.	DESCRIPTION	UNIT RATE ₹
A40111010	Filter Element 1 Micron (582047)	630.00
A40111020	Filter Element 5 Micron (582040)	600.00
A40111030	Bowl & 'O' Ring Assembly ( LA2002 )	600.00
A40111040	Drain Valve Assembly ( SC2002 )	330.00
A40111080	Set of Internal Plastic Spares (F1563-IPS)	80.00
A40111090	Valve Cone Assembly (SA 2601)	320.00
A40111100	Adjusting Screw Assembly (LA 2202)	400.00
A40111010	Main Spring 0.5-10 Bar (062060)	230.00
A40111120	Daiphragm Assembly (SA2202)	440.00

## MISCELLANEOUS SPARES

PART NO.	DESCRIPTION	UNIT RATE ₹
A11001420	Main 48" Air Supply Hose	540.00
-	Gauge Plug Adaptor (Clearline) [Please specify the diameter of APG/ARG]	530.00
-	Gauge Plug Adaptor (BAKER-PFL) [Please specify the diameter of APG/ARG]	380.00
R50030900	Oil Resistant Tubing for UAH / FAH Mod - 1 [For a roll of 50 meters]	2000.00
R50030800	Oil Resistant Tubing for FAH Mod - 2 [For a roll of 100 meters]	3800.00
A40019010	ON / OFF Ball Valve Tap for Air Filter	250.00
A16244010	Bulk Head Assembly for 2045-AE, 2045-AEP, AEP-1, AEP-2, AEP-3 and AEP-4	350.00
A11001261	Quick Connector 1/4" x 8mm OD	150.00

# ELECTRONIC GAUGES & PROBES



## ELECTRONIC GAUGES

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E01009000	BAKER Compact Measuring Electronic Gauge <b>Type 941</b> with Analogue Display, having two inputs & one result.	24,500.00
E06009000	BAKER Compact Measuring Electronic Gauge <b>Type 943</b> with Digital Display, having two inputs & one result.	27,890.00
E08009000	BAKER Compact Measuring Electronic Gauge <b>Type 943A</b> with Digital Display, facility to set absolute value, having two inputs & one result.	32,670.00
E11009000	BAKER Compact Measuring Electronic Gauge <b>Type 945</b> with Column Type LED Bar-graph Display, having two inputs & one result.	41,360.00

## MICROPROCESSOR BASED ELECTRONIC GAUGES

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E54009000	BAKER Electronic, Microprocessor based, Analogue Gauge <b>Type 2041N</b> having two inputs & one result.	35,940.00
E55009000	BAKER Electronic, Microprocessor based, Digital Gauge <b>Type 2043N</b> having two inputs & one result.	39,370.00
E50009000	BAKER Electronic, Microprocessor based, Column Gauge <b>Type 2045N</b> with Tri Colour Bar-graph & Digital Display, having two inputs and one result.	57,350.00

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E54009100	BAKER Electronic, Microprocessor based, Analogue Gauge <b>Type 2041N with USB facility</b> having two inputs & one result.	37,590.00
E55009100	BAKER Electronic, Microprocessor based, Digital Gauge <b>Type 2043N with USB facility</b> having two inputs & one result.	40,770.00
E50009100	BAKER Electronic, Microprocessor based, Column Gauge <b>Type 2045N with USB facility</b> with Tri Colour Bar-graph & Digital Display, having two inputs and one result.	57,410.00

## PROBE BOX

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E91049000	BAKER 4 Channel Probe Box with serial output	46,770.00
E91089000	BAKER 8 Channel Probe Box with serial output	69,020.00
E92049000	BAKER 4 Channel Piezo Probe Box with serial output	98,610.00
E92089000	BAKER 8 Channel Piezo Probe Box with serial output	1,72,800.00

**ELECTRONIC PROBES**

PRODUCT CODE	DESCRIPTION	UNIT RATE ₹
E41149000	BAKER Electronic Axial Probe <b>Type 2940</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	13,200.00
E41219000	BAKER Electronic Axial Probe with Right Angle Cap <b>Type 2940R</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	13,200.00
E41229000	BAKER Electronic Vacuum Retract Axial Probe <b>Type 2940V</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	18,470.00
E41289000	BAKER Electronic Short Body (60mm) Axial Probe <b>Type 2910</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 1$ mm	15,860.00
E41329000	BAKER Electronic Axial Probe <b>Type 2940L</b> LVDT type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	13,200.00
E41369000	BAKER Electronic Axial Probe with Right Angle Cap <b>Type 2940RL</b> LVDT type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	13,200.00
E41349000	BAKER Electronic Vacuum Retract Axial Probe <b>Type 2940VL</b> LVDT type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 2$ mm	18,470.00
E41379000	BAKER Electronic Short Body (60mm) Axial Probe <b>Type 2910L</b> LVDT type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 1$ mm	15,860.00
E43359000	BAKER Electronic Axial Probe <b>Type 2950</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 5$ mm	23,800.00
E41399000	BAKER Electronic Axial Probe <b>Type 2900 (Dia 6mm)</b> Half-Bridge type inductive probe with 2 Mtr. Length Polyurethane Cable and with Tungsten Carbide Ball Anvil. Range : $\pm 0.3$ mm	18,690.00
E41189000	BAKER Electronic Axial Probe <b>Type 2920</b> with 2 Mtr. Cable Range : $\pm 1$ mm	13,200.00

# MASTER SETTING RINGS

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	-	Upto & Including	Above	-	Upto & Including	
1.5	-	2.5	0.06	-	0.10	3620.00
2.5	-	5.0	0.10	-	0.20	2360.00
5.0	-	20.0	0.20	-	0.79	1610.00
20.0	-	40.0	0.79	-	1.57	1650.00
40.0	-	60.0	1.57	-	2.36	1870.00
60.0	-	80.0	2.36	-	3.15	2900.00
80.0	-	100.0	3.15	-	3.94	3940.00
100.0	-	120.0	3.94	-	4.72	4920.00
120.0	-	140.0	4.72	-	5.51	6060.00
140.0	-	150.0	5.51	-	5.90	7220.00
150.0	-	160.0	5.90	-	6.30	8750.00
160.0	-	170.0	6.30	-	6.70	10280.00
170.0	-	180.0	6.70	-	7.09	10990.00
180.0	-	190.0	7.09	-	7.48	12330.00
190.0	-	200.0	7.48	-	7.87	13110.00
200.0	-	212.0	7.87	-	8.35	16410.00
212.0	-	224.0	8.35	-	8.82	18580.00
224.0	-	236.0	8.82	-	9.29	23940.00
236.0	-	250.0	9.29	-	9.84	26280.00
250.0	-	265.0	9.84	-	10.43	32870.00
265.0	-	280.0	10.43	-	11.02	37290.00
280.0	-	300.0	11.02	-	11.81	42120.00
300.0	-	315.0	11.81	-	12.40	47750.00
315.0	-	325.0	12.40	-	12.80	58960.00
325.0	-	340.0	12.80	-	13.39	64110.00
340.0	-	350.0	13.39	-	13.78	66800.00
350.0	-	360.0	13.78	-	14.17	76090.00
360.0	-	370.0	14.17	-	14.57	96500.00
370.0	-	380.0	14.57	-	14.96	98680.00
380.0	-	390.0	14.96	-	15.35	103550.00
390.0	-	400.0	15.35	-	15.75	107770.00
400.0	-	410.0	15.75	-	16.14	123590.00
410.0	-	420.0	16.14	-	16.54	125960.00
420.0	-	430.0	16.54	-	16.93	133360.00
430.0	-	440.0	16.93	-	17.32	135820.00
440.0	-	450.0	17.32	-	17.72	140940.00
450.0	-	460.0	17.72	-	18.11	160220.00
460.0	-	470.0	18.11	-	18.50	165920.00
470.0	-	480.0	18.50	-	18.90	169610.00
480.0	-	490.0	18.90	-	19.29	182070.00
490.0	-	500.0	19.29	-	19.69	184980.00

- "Certificate of Calibration" is provided with each gauge, traceable to National/International Length Standards.
- For NABL (National Accreditation Board for Testing & Calibration Laboratories) Certification, extra charges will be applicable, which can be made available on request. For NABL Scope of Accreditation, please refer page 19 & 20.

**Technical Notes :**

1. Master Setting Rings will be manufactured as per DIN - 2250C.
2. Technical supply conditions as per DIN 2239, with surface finish as per Class - I.
3. Made from Oil Hardening Non-Shrinking Gauge Steel Hardened & Tempered to 700 HV.
4. Sub-zero treated at -80° C for dimensional stability.
5. Calibrated at 20° C under Standards Room conditions.
6. Actual dimensions duly etched.

## CARBIDE MASTER SETTING RINGS

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
5.0	-	10.0	0.12	-	0.39	3660.00
10.0	-	15.0	0.39	-	0.59	2930.00
15.0	-	20.0	0.59	-	0.79	2930.00
20.0	-	25.0	0.79	-	0.98	4390.00
25.0	-	32.0	0.98	-	1.26	5240.00
32.0	-	40.0	1.26	-	1.57	6460.00
40.0	-	50.0	1.57	-	1.97	6650.00
50.0	-	60.0	1.97	-	2.36	11500.00
60.0	-	70.0	2.36	-	2.76	12670.00
70.0	-	80.0	2.76	-	3.15	13840.00
80.0	-	90.0	3.15	-	3.54	15210.00
90.0	-	100.0	3.54	-	3.94	16590.00

## MASTER SETTING DISCS

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
3.0	-	10.0	0.12	-	0.39	1250.00
10.0	-	24.0	0.39	-	0.95	960.00
24.0	-	40.0	0.95	-	1.58	1130.00
40.0	-	65.0	1.58	-	2.56	1300.00
65.0	-	80.0	2.56	-	3.15	1500.00
80.0	-	100.0	3.15	-	3.94	1760.00
100.0	-	120.0	3.94	-	4.72	2170.00
120.0	-	140.0	4.72	-	5.51	3100.00
140.0	-	150.0	5.51	-	5.90	4030.00
150.0	-	160.0	5.90	-	6.30	4670.00
160.0	-	175.0	6.30	-	6.89	5160.00
175.0	-	190.0	6.89	-	7.48	5910.00
190.0	-	200.0	7.48	-	7.87	6810.00

- "Certificate of Calibration" is provided with each gauge, traceable to National/International Length Standards.
- For NABL (National Accreditation Board for Testing & Calibration Laboratories) Certification, extra charges will be applicable, which can be made available on request. For NABL Scope of Accreditation, please refer page 19 & 20.

**Technical Notes :**

1. The Gauge blanks will be as per ANSI-B47.1 - 1988.
2. Tolerances followed as per Class - X of ASME B89.1.5 - 1998.
3. Made from Oil Hardening Non-Shrinking Gauge Steel Hardened & Tempered to 700 HV.
4. Sub-zero treated at -80° C for dimensional stability.
5. Calibrated at 20° C under Standards Room conditions.
6. Actual dimensions duly etched.



**Hand Held Air Plug Gauge with 2 pairs of jets at  
2 levels to check Rate of Taper of the following bores:**

Taper Type	APG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
ISO-25	28,980.00	8,660.00
ISO-30	28,220.00	7,090.00
ISO-35	28,980.00	8,660.00
ISO-40	34,110.00	9,440.00
ISO-45	36,150.00	10,700.00
ISO-50	44,260.00	12,560.00

**Hand Held Air Plug Gauge with 3 pairs of jets at  
3 levels to check Rate of Taper of the following bores:**

Taper Type	APG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
ISO-30	34,110.00	8,660.00
ISO-35	36,030.00	10,390.00
ISO-40	40,930.00	11,000.00
ISO-45	45,130.00	12,380.00
ISO-50	51,080.00	14,170.00

**Bench Mounted Air Ring Gauge with 2 pairs of jets at  
2 levels to check the Rate of Taper of the following shafts :**

Taper Type	ARG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
ISO-30	33,640.00	7,090.00
ISO-35	36,150.00	8,050.00
ISO-40	42,740.00	8,780.00
ISO-45	48,750.00	9,920.00
ISO-50	56,150.00	11,430.00

**Bench Mounted Air Ring Gauge with 3 pairs of jets at  
3 levels to check the Rate of Taper of the following shafts :**

Taper Type	ARG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
ISO-30	36,680.00	8,660.00
ISO-35	42,970.00	9,380.00
ISO-40	51,080.00	10,640.00
ISO-45	57,250.00	11,600.00
ISO-50	66,640.00	13,160.00

**Hand Held Air Plug Gauge with 2 pairs of jets at  
2 levels to check Rate of Taper of the following bores :**

Taper Type	APG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
MT-1	24,200.00	5,890.00
MT-2	26,590.00	6,430.00
MT-3	28,920.00	7,270.00
MT-4	34,810.00	9,010.00
MT-5	40,000.00	10,030.00
MT-6	46,820.00	11,900.00

**Hand Held Air Plug Gauge with 3 pairs of jets at  
3 levels to check Rate of Taper of the following bores:**

Taper Type	APG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
MT-1 *	27,760.00	7,030.00
MT-2	30,140.00	7,700.00
MT-3	36,100.00	9,190.00
MT-4	43,970.00	11,240.00
MT-5	53,930.00	13,940.00
MT-6	68,040.00	17,440.00

\* Suitable to Universal Air Gauge Unit with Jet Dia. 0.6mm OR Dia 1.5mm

**Bench Mounted Air Ring Gauge with 2 pairs of jets at  
2 levels to check Rate of Taper of the following shafts :**

Taper Type	ARG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
MT-1	26,300.00	5,630.00
MT-2	29,850.00	6,680.00
MT-3	34,870.00	7,700.00
MT-4	38,950.00	8,770.00
MT-5	45,070.00	9,860.00
MT-6	53,990.00	11,570.00

**Bench Mounted Air Ring Gauge with 3 pairs of jets at  
3 levels to check Rate of Taper of the following shafts :**

Taper Type	ARG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
MT-1 *	30,270.00	6,680.00
MT-2	35,920.00	7,030.00
MT-3	45,890.00	8,720.00
MT-4	47,520.00	10,990.00
MT-5	55,390.00	13,030.00
MT-6	69,150.00	16,640.00

\* Suitable to Universal Air Gauge Unit with Jet Dia. 0.6mm OR Dia 1.5mm

## Hand Held Air Plug Gauge with 2 pairs of Jets at Two Levels to check rate of Taper of the following bores

Taper Type	ARG	MASTER
	UNIT RATE ₹	UNIT RATE ₹
ER - 16	37,130.00	7,700.00
ER - 20	37,130.00	7,700.00
ER - 25	37,130.00	7,700.00
ER - 32	43,730.00	10,450.00
ER - 40	43,730.00	10,450.00

- "Certificate of Calibration" is provided with each gauge, traceable to National/International Length Standards.
- For NABL (National Accreditation Board for Testing & Calibration Laboratories) Certification, extra charges will be applicable, which can be made available on request. For NABL Scope of Accreditation, please refer page 19 & 20.

### TERMS & CONDITIONS (for products)

1. PRICE : Ex-Works, Pune.
2. PACKING & FORWARDING : EXTRA @ 3%
3. GST : Extra as applicable.
4. PAYMENT : 25% Advance alongwith order and balance against Proforma Invoice.
5. DESPATCH : Courier Service.
6. FREIGHT : Extra at Actual.
7. INSURANCE : To be arranged by you.
8. This price list is subject to alteration without any notice & cancels all our previous price lists.

- Calibration Charges mentioned below (Page 14 to 16) are for providing our standard Certificate of Calibration with each gauge traceable to National / International Length Standards.
- However, for providing NABL (National Accreditation Board for Testing & Calibration Laboratories) Certification (which can be made available on request), 25% extra charges will be applicable on the charges mentioned below.
- For economical transaction we need a minimum order value of Rs. 500/-. Hence for order value of less than Rs. 500/-, Handling charges of Rs. 250/- will be applicable extra.

### CALIBRATION CHARGES FOR MASTER SETTING RINGS

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
1.0	-	1.5	0.04	-	0.06	460.00
1.5	-	6.0	0.06	-	0.24	330.00
6.0	-	30.0	0.24	-	1.18	310.00
30.0	-	60.0	1.18	-	2.36	430.00
60.0	-	80.0	2.36	-	3.15	550.00
80.0	-	100.0	3.15	-	3.94	660.00
100.0	-	120.0	3.94	-	4.72	730.00
120.0	-	200.0	4.72	-	7.87	910.00
200.0	-	315.0	7.87	-	12.40	1,460.00

### CALIBRATION CHARGES FOR MASTER SETTING DISCS / PLAIN PLUG GAUGES

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
1.0	-	65.0	0.04	-	2.56	310.00
65.0	-	100.0	2.56	-	3.94	430.00
100.0	-	200.0	3.94	-	7.87	610.00

### CALIBRATION CHARGES FOR PLAIN TAPER GAUGES (MALE / FEMALE)

NOMINAL DIAMETER RANGE						UNIT RATE ₹
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
4.0	-	25.0	0.16	-	0.98	1,460.00
25.0	-	50.0	0.98	-	1.97	2,060.00
50.0	-	75.0	1.97	-	2.95	3,030.00
75.0	-	100.0	2.95	-	3.94	3,880.00
100.0	-	120.0	3.94	-	4.72	4,480.00

- Calibration of Plain Taper Gauges will be done at two levels (Major & Minor Dias.)
- Internal taper measurement will be done upto diameter 100mm only.
- Internal taper calibration is not covered under NABL Accreditation.
- Calibration charges External / Internal Taper Gauges above size 120mm can be quoted on request.

# CALIBRATION CHARGES

## CALIBRATION CHARGES FOR ROUNDNESS MEASUREMENT (INTERNAL & EXTERNAL DIAMETERS)

NOMINAL DIAMETER RANGE					UNIT RATE ₹	
MM			INCH			
Above	Upto & Including		Above	Upto & Including		
3.0	-	315.0	0.12	-	12.40	2,420.00

- Maximum weight of the Master should not exceed 18 Kgs.
- Roundness will be checked at one level. If roundness is required at more than one level, charges will be 25% extra of the basic charge per level.

## CALIBRATION CHARGES FOR ROUNDNESS MASTERS

DESCRIPTION	UNIT RATE ₹
ROUNDNESS MASTERS	2,420.00

## CALIBRATION CHARGES FOR SURFACE FINISH MEASUREMENT / ROUGHNESS MASTERS

DESCRIPTION	UNIT RATE ₹
ROUGHNESS MASTER (UPTO 0.006MM Ra, ONLY UNDER NABL)	1820.00 Per Surface
SURFACE ROUGHNESS MEASUREMENT	610.00 Per Parameter

## CALIBRATION CHARGES FOR DIAL GAUGES

DESCRIPTION	UNIT RATE ₹
PLUNGER TYPE DIAL GAUGES	250.00
LEVER TYPE DIAL GAUGES	490.00
DIAL BORE GAUGES ( 18 - 300 mm )	850.00
DIAL THICKNESS GAUGES	250.00

## CALIBRATION CHARGES FOR ELECTRONIC PRODUCTS

DESCRIPTION	UNIT RATE ₹
TWIN CHANNEL ELECTRONIC COMPARATOR.	2,730.00
SINGLE CHANNEL ELECTRONIC COMPARATOR.	1,820.00

## CALIBRATION CHARGES FOR DIGITAL DIAL GAUGES

DESCRIPTION	UNIT RATE ₹
DIGITAL DIAL GAUGES	
Range : 12.5 mm	610.00
Range : 25.0 mm	910.00
Range : 50.0 mm	1,210.00

## CALIBRATION CHARGES FOR DIGITAL CALIPERS / DIAL CALIPERS / VERNIER CALIPERS

DESCRIPTION	UNIT RATE ₹
DIGITAL CALIPERS / DIAL CALIPERS / VERNIER CALIPERS	
Range : 0 - 150 mm	610.00
Range : 0 - 200 mm	610.00
Range : 0 - 300 mm	730.00



**CALIBRATION CHARGES FOR BAKER HEIGHT GAUGES (WITH NABL ACCREDITATION CERTIFICATE)**

DESCRIPTION	UNIT RATE ₹
BAKER HEIGHT GAUGES	
Baker Digital Height Gauge - Type DH 300	1050.00
Baker Digital Height Gauge - Type DH 600	1380.00
Baker Vernier Height Gauge - Type VH 300	1050.00
Baker Vernier Height Gauge - Type VH 600	1380.00

**CALIBRATION CHARGES FOR THREE POINT MICROMETERS (WITH NABL ACCREDITATION CERTIFICATE)**

DESCRIPTION	UNIT RATE ₹
Range : 6 - 25 mm	1030.00
Range : 25 - 50 mm	1210.00
Range : 50 - 100 mm	1460.00
Range : 100 - 200 mm	1820.00
Range : 200 - 300 mm	3030.00

**CALIBRATION CHARGES FOR SLIP GAUGES**

DESCRIPTION	UNIT RATE ₹
SLIP GAUGE CALIBRATION RANGE 0.5 TO 100 MM (METRIC ONLY)	90.00 EACH SLIP

**TERMS & CONDITIONS (for services)**

1. PRICE : Ex-Works, Pune.
2. PACKING & FORWARDING : Extra as applicable.
3. DESPATCH : Courier Service / Speed Post.
4. FREIGHT : Extra at Actual.
5. GST : Extra as applicable.
6. PAYMENT : Full payment to be made along with order / against proforma Invoice.
7. INSURANCE : To be arranged by you.
8. This price list is subject to alteration without any notice & cancels all our previous price lists.

There is little left to emphasize the importance of calibration of all the Monitoring & Measuring Devices used by you to achieve your product quality. Reliability in the calibration is one fact that can make your product a winner in today's competitive world.

We at BAKER understand and realize this very well, as this also is applicable to us. Because of this we have created a Standards Laboratory wherein care has been taken to ensure that all the required parameters for carrying out a reliable calibration are addressed & complied with appropriate Measurement technology and application of Metrology principles. Our "**Passion for Precision**" instills the Confidence in our Calibration -

## OUR STANDARDS ROOM



### 77 Cubic Meters of Controlled environment houses the calibration equipment

- 20 +/- 1° Celsius with extremely low Temperature gradient.
- Humidity 50 +/- 5 % -- To achieve this the environment is humidified and then de-humidified to the correct value.
- Better than 1,00,000 Class Dust Count (0.0005mm particle size) with online Electrostatic Precipitator with Automatic cleansing.
- Illumination is maintained 700 Lux at the point of measurement.

### Care taken to ensure the above environmental parameters:

- Air velocity is maintained at 30 feet per minute to ensure uniformity of temperature. 15% air inlet @ of 12,000 cfm of air with 15% fresh air continuous intake.
- Extensive insulation against external ingress of heat/cold and humidity
- Antistatic Flooring, Aprons and anti-flaking paint used to minimise dust.
- Double glazed glass vacuumised partitions used to prevent heat and sound conduction.
- Trench all around to avoid surface level high frequency vibrations from the shop floor. Extremely rigid tables with Granite Surface plates used for keeping the Calibration equipment with anti vibration pads to ensure vibration level is maintained with in 0.001mm peak to peak.
- **Most importantly the environment is maintained 24x7, 365 days a year.**

### Our equipment consists of:

- Gauge Block Calibration Center from Feinmess, Germany with a unique patented handling system for the slips during calibration to avoid even the minutest of scratches.
- SIP 550M Computer aided Universal Calibration and Measuring Machine with a finest resolution of 0.00001mm and two Carl Zeiss Universal Horizontal Metroscopes for calibration of Masters.
- Rank Taylor Hobson Talyrond 210 Roundness measuring machine
- Rank Taylor Hobson Surtronic 4+ surface finish analyzer.
- Sigma high precision electronic outside diameter calibration comparator.
- Co-ordinate Measuring Machine - DEAmake model Micra 4.5.3.
- Basic standards - Gauge Block sets 'K' & 'O' Grade, Master Setting Rings (SIP & BAKER make)
- We are maintaining Traceability to National & International Standards as an ongoing exercise with all our standards being periodically calibrated from either Metas - Switzerland or from NPL - Delhi.

**The laboratory is NABL accredited inline with ISO/IEC 17025-2005 "General Requirements for the Competence of Testing & Calibration Laboratories". For Scope of Accreditation, please refer page 18 & 19 of this price list.**



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**BAKER GAUGES INDIA PVT. LTD. (BMI DIV)**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

33-1-2, NAGAR ROAD,, PUNE, MAHARASHTRA, INDIA

in the field of

**CALIBRATION**

Certificate Number: CC-2764

Issue Date: 24/11/2022

Valid Until: 23/11/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : BAKER GAUGES INDIA PVT LTD

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



## National Accreditation Board for Testing and Calibration Laboratories

### SCOPE OF ACCREDITATION

**Laboratory Name :** BAKER GAUGES INDIA PVT. LTD. (BMI DIV), 33-1-2, NAGAR ROAD,, PUNE, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-2764 **Page No** 1 of 6

**Validity** 24/11/2022 to 23/11/2024 **Last Amended on** 18/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	3 Point micrometer LC: 0.001 mm	Using Master Ring Gauges by Comparison Method	6 mm to 300 mm	3.3µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Units LC: 0.1 µm	Using Gauge Block Set and Fixture by Comparison Method	+/- 0.080 mm	0.4µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Units LC: 0.1 µm	Using Ring Gauges and Air Plug Gauge by Comparison Method	+/- 0.080 mm	1.3 µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bevel Protractor LC 5 min	Using Angle Gauge Blocks by Comparison Method	0 to 360 °	3.7minutes of arc

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## National Accreditation Board for Testing and Calibration Laboratories

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**Certificate Number** CC-2764 **Page No** 2 of 6

**Validity** 24/11/2022 to 23/11/2024 **Last Amended on** 18/01/2023

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5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Bore Gauge (Transmission Error)	Using Electronic Dial Gauge Calibrator by Comparison Method	0 to 1.2 mm	1.5µm
6	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/ Dial/ Digital) LC: 0.010 mm	Using gauge block set and caliper checker by Comparison Method	0 to 600 mm	10.0µm
7	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Depth Caliper (Vernier/Digital) LC 0.01 mm	Using Gauge Block Set by Comparison Method	0 to 300 mm	9 µm
8	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Dial Thickness Gauge LC 0.001 mm	Using gauge blocks by Comparison Method	0 to 25 mm	1µm
9	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic Probe ( Without Display)	Using electronic dial gauge calibrator by Comparison Method	+/- 5 mm	0.2µm

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10	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Electronic Probe with DRO LC 0.0001 mm	Using Gauge Blocks and Comparator Stand by Comparison Method	+/- 2 mm	0.6µm
11	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Height Gauge LC: 0.010 mm	Using gauge block set & surface plate by Comparison Method	0 to 600 mm	9.0µm
12	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal/External Plain Taper Gauge (Half Taper Angle)	Using CMM by Direct Method	0 to 300 mm	3.0s of arc
13	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Internal/External Plain Taper Gauge (Major/Minor Diameter)/(Diameter at defined height)	Using CMM by Direct Method	0 to 300 mm	3.9µm
14	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Lever Type Dial Gauges LC 0.001 mm	Using Electronic Dial Gauge Calibrator by Comparison Method	0 to 1.0 mm	1.1µm

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<b>Accreditation Standard</b>	ISO/IEC 17025:2017	<b>Last Amended on</b>	18/01/2023
<b>Certificate Number</b>	CC-2764		
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15	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauges (Internal Diameter)	Using ULM and Reference Ring by Comparison Method	Ø1.0 mm to Ø50 mm	0.52µm
16	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauges (Internal Diameter)	Using ULM and Reference Ring by Comparison Method	Ø100 mm to Ø200 mm	1.0µm
17	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauges (Internal Diameter)	Using Reference Ring & ULM by Comparison Method	Ø200 mm to Ø400 mm	1.5µm
18	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plain Ring Gauges (Internal Diameter)	Using ULM and Reference Ring by Comparison Method	Ø50 mm to Ø100 mm	0.65µm
19	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plug Gauges, OD Masters, Height Masters (External Diameter)	Using Gauge Blocks and Electronic Comparator by Comparison Method	Ø1.0 mm to Ø100 mm	0.7µm

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20	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plug Gauges, OD Masters, Height Masters (External Diameter)	Using Gauge Blocks and Electronic Comparator by Comparison Method	Ø100 mm to Ø200 mm	1.1µm
21	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plug Gauges, OD Masters, Height Masters (External Diameter)	Using Gauge Block and ULM by Comparison Method	Ø200 mm to Ø400 mm	1.9µm
22	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Dial Gauge 0-1 mm LC:0.001 mm	Using Digital Dial Gauge Calibrator by Comparison Method	0 to 1 mm	0.7µm
23	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Plunger Type Digital Dial Gauge LC 0.001 mm	Using Electronic Dial Gauge Calibrator by Comparison Method	0 to 25.4 mm	1.3µm
24	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Surface Roughness (Ra & Rz)	Using Roughness Tester by Comparison Method	Up to 6.0 µm	6.8%

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Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Units LC: 0.1 $\mu\text{m}$	Using gauge block set and fixture by Comparison Method	+/- 0.080 mm	0.34 $\mu\text{m}$
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Air Gauge Units LC: 0.1 $\mu\text{m}$	Using Ring Gauges and Air Plug Gauge by Comparison Method	+/- 0.080 mm	1.3 $\mu\text{m}$

\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of  $k = 2$ .

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We manufacture Special Gauges for following components to check its various parameters.

- Connecting Rod.
- Crankshaft (2 Wheeler)
- Crankshaft (4 Wheeler)
- Shell Bearing (Half / Full Round)
- Cylinder Block (2 Wheeler)
- Cylinder Block (4 Wheeler)
- Cylinder Head (2 Wheeler)
- Cylinder Head (4 Wheeler)
- Gudgeon Pin
- Piston
- Piston Ring
- Engine Valve
- Camshaft
- Differential Housing
- Transmission Shafts
- Gears (Helical / Spur)
- Match-Gauging for Selective Assemblies
- Shim Selection Applications
- Impeller
- Special Taper ID / OD Masters as per drawing
- Brake Drum
- Brake Disc
- Flywheel



# BAKER

National Presence

● **Corporate Office & Factories:**

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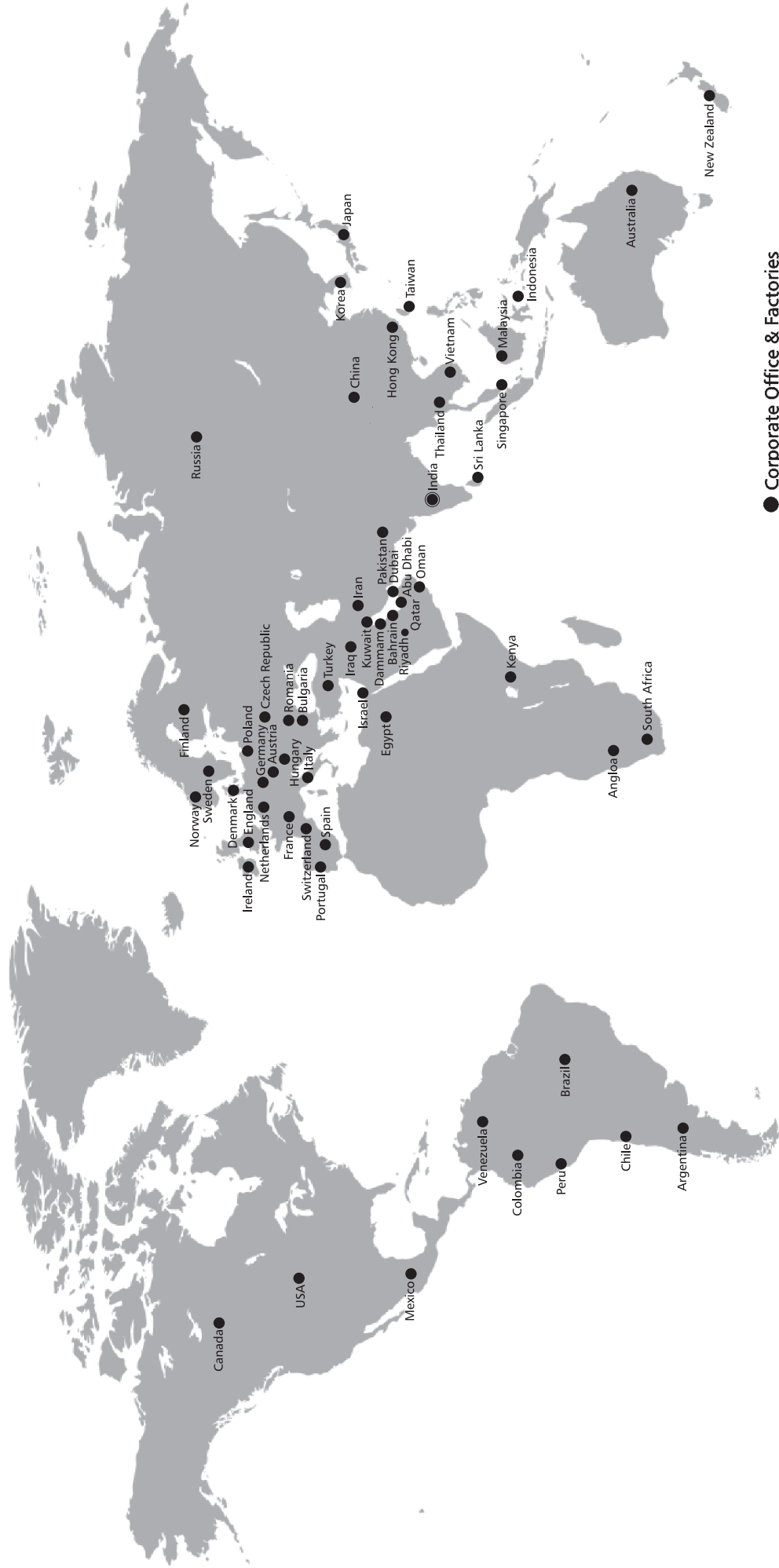
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# BAKER

**Global Presence**

• Distributors



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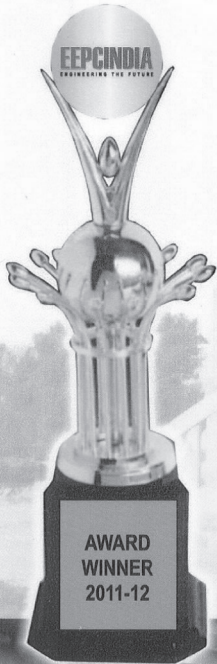
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
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**Pankaj Chadha**  
Regional Chairman

EEPC INDIA-WESTERN REGION



### 45th

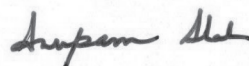
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National Awards for  
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