

Precision Granite Products

itp group



Cost Effective Solutions For Precision Applications

ITP Group have developed a unique method of manufacturing cost effective precision granite products - from single piece surface plates or tables to multi-component assemblies where rigidity and stability are not compromised, and have been proven for use within precision industries such as silicon chip and semiconductor production.

Despite common perception, ITP Group source granite cheaper than traditional materials such as cast iron and steel, and fabricate it directly in our own manufacturing facilities.

Granite is the most reliable material available where accuracy, low vibrancy and low thermal expansion are key. As well as the ability to be manufactured in-house to low critical geometrical tolerances, granite is the material of choice for the basis of machine tools and coordinate measuring equipment for a variety of reasons including:

- Low Cost
- High Rigidity
- Virtual Non-Magnetic Properties
- High Vibration Absorption
- Low Co-Efficient Of Thermal Expansion
- Inert - No External Coating Required
- Corrosion & Stress-Free
- Unrivalled Flatness
- High Durability
- Low Maintenance

ITP Group Precision Granite Products Feature:

- Unique Nationally Traceable Certificate Of Calibration
- British Standard Specification with DIN, Federal & JIS available on request
- Manufactured In-House Within Temperature & Quality Controlled Environment
- Individually Hand Finished
- Custom Machining Including 'T' Slots, Threaded Inserts & Dovetails Available
- Surface Tables Mounted On Adjustable, Strong Steel Frames
- Transported Separately To Prevent Damage In Transport
- Sizes Up To 2m x 1m Available From Stock

For further information on ITP Group Precision Granite Products, or to obtain a quote for your design idea, contact us below.

www.itpgroup.co.uk

ITP Group

Butlers House, Rugby, Warwickshire, United Kingdom CV21 3RW

Tel: +44 (0)1788 570 357 Fax: +44 (0)1788 567 991 itp@itpgroup.co.uk

Precision Granite Products



Price List & Availability

After millions of years of natural stress relieving, granite; having high rigidity and non-magnetic properties as well as been totally corrosion and stress-free, becomes the most reliable product for inspection purposes where an accurate datum is of top priority.

ITP Group Granite Products Feature:

- Nationally traceable Certificate of Calibration
- British Standard Specification, with DIN, Federal & JIS products available on request
- Manufactured in-house within temperature and quality controlled environment
- Individually hand-finished
- 'T' slots & threaded inserts available on request
- Custom machining including slots, dovetails & holes available
- Surface tables mounted on adjustable, strong steel frames
- Sizes up to 2m x 1.2m available from stock
- All granite transported seperately to prevent damage in transit

Granite Surface Plates (Without Stand)



Plate Dimensions (mm)	Grade 0 Limits*	Grade 0 Price	Grade 1 Limits*	Grade 1 Price
300 x 300 x 100	0.0036	£101.00	0.0072	£67.00
450 x 300 x 100	0.0039	£124.00	0.0078	£106.00
450 x 450 x 100	0.0041	£164.00	0.0082	£134.00
600 x 450 x 100	0.0044	£214.00	0.0088	£173.00
600 x 600 x 100	0.0046	£283.00	0.0092	£229.00
900 x 600 x 100	0.0052	£402.00	0.0104	£344.00

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Granite Surface Tables (Including Stand)



Plate Dimensions (mm)	Grade 0 Limits*	Grade 0 Price	Grade 1 Limits*	Grade 1 Price
900 x 600 x 100	0.0052	£587.00	0.0104	£522.00
1000 x 1000 x 150	0.0060	£901.00	0.0120	£838.00
1200 x 600 x 150	0.0059	£882.00	0.0118	£760.00
1200 x 900 x 150	0.0063	£1025.00	0.0126	£899.00
1200 x 1200 x 150	0.0067	£1381.00	0.0134	£1229.00
1500 x 1000 x 150	0.0070	£1489.00	0.0140	£1299.00
2000 x 1000 x 150	0.0081	£1883.00	0.0162	£1679.00
2000 x 1200 x 150	0.0083	£2349.00	0.0166	£2107.00
2400 x 1200 x 200	0.0092	POA	0.0184	POA
3000 x 1500 x 250	<i>On Request</i>	POA	<i>On Request</i>	POA
3000 x 2000 x 250	<i>On Request</i>	POA	<i>On Request</i>	POA
4000 x 2000 x 250	<i>On Request</i>	POA	<i>On Request</i>	POA
5000 x 2000 x 300	<i>On Request</i>	POA	<i>On Request</i>	POA
5000 x 3000 x 400	<i>On Request</i>	POA	<i>On Request</i>	POA
6000 x 3000 x 450	<i>On Request</i>	POA	<i>On Request</i>	POA

Precision Granite Products



Granite Square

ITP Group's granite squares are designed to accurately inspect the X, Y and Z axes of machine tool bases and parts.

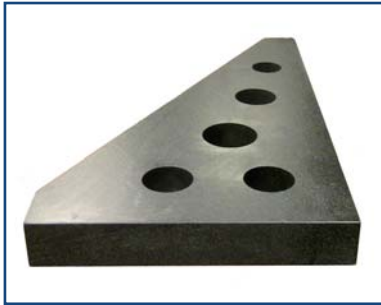


Plate Dimensions (mm)	Grade 0 Limits*	Price
300 x 300 x 40	0.0032	£220.00
450 x 300 x 75	0.0036	£352.00
1000 x 600 x 95	0.0050	£850.00

** Please note that all flatness figures quoted within this document are the limits of permitted surface error deviation for each applicable grade. Actual deviation will fall below this limit.*

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