

# ZENSTAR

Quality Tooling Redefined





## CARBIDE TIPPED BRAZED TOOLS

PRICE LIST EFFECTIVE FROM 01-01-2023



**Indian Standard Application of Carbides for Machining, Ranges of application  
and Colour Code Selection Guideline for Tip Grade**


| Identification Color   | Designation | Material to be machined   |
|--|-------------|---|
|   | P 20        | Steel, steel casting, Malleable cast iron forming long chips.<br>Machining Conditions<br>Turning & Milling-Medium cutting speed and medium chip section,Planing with small chip section   |
|  | P 30        | Steel, Steel Casting, Malleable cast iron forming long chips.<br>Machining Conditions<br>Turning, milling & planing- medium or low cutting speed, medium or large chip section and machining under unfavorable conditions such as heterogeneous materials, changing hardness of chip section, or intermittent turning or subject to vibrations.   |
|  | P40         | Steel, Steel casting with sand inclusions of shrinkage cavities<br>Machining conditions<br>Turning, Planing & shaping , Low cutting speed, large chip section with possibility of using large rake angle, for machining under unfavorable conditions, such as heterogeneous materials, changing hardness or chip sections, intermittent turning or subject to vibrations; and work on automatic machines. |
|  | K 10        | Grey cast iron of hardness more than 220 HB, Malleable cast iron forming short chips, Tempered steel, Aluminium alloys containing silicon, copper alloys, plastics, glass, hard rubber, hard cardboard, porcelain, stone.<br>Machining conditions<br>Turning, Milling, Boring, Scraping.  |
|  | K 20        | Grey Cast iron of hardness up to 220 HB. Non ferrous metals, such as Copper, Brass, Aluminium, Laminated wood of abrasive type<br>Machining Conditions<br>Turning, Milling, Planning, requiring high toughness of carbide tip.  |


**For more information on dimensions,lengths,size of carbide tips,different designs,rate angle, entering angle and other specific details please refer to our catalogue**


**We have also provided details of brazed tools for export purposes, which can be manufactured on special request.**


| AVAILABILITY CHART |               |              |         |
|--------------------|---------------|--------------|---------|
| SIZE               | RIGHT<br>HAND | LEFT<br>HAND | NEUTRAL |
| ISO 1              | ✓             | ✓            |         |
| ISO 2              | ✓             | ✓            |         |
| ISO 3              | ✓             | ✓            |         |
| ISO 4              |               |              | ✓       |
| ISO 5              | ✓             | ✓            |         |
| ISO 6              | ✓             | ✓            |         |
| ISO 7              | ✓             | ✓            |         |
| ISO 8              | ✓             | ✓            |         |
| ISO 9              | ✓             | ✓            |         |
| 113                |               |              | ✓       |
| 115                | ✓             | ✓            |         |


| AVAILABILITY CHART |               |              |         |
|--------------------|---------------|--------------|---------|
| SIZE               | RIGHT<br>HAND | LEFT<br>HAND | NEUTRAL |
| 116                | ✓             | ✓            |         |
| 122                |               |              | ✓       |
| 140                | ✓             | ✓            |         |
| 141                | ✓             | ✓            |         |
| 142                | ✓             | ✓            |         |
| 163                |               |              | ✓       |
| 165                | ✓             | ✓            |         |
| 166                | ✓             | ✓            |         |
| IND 2              | ✓             | ✓            |         |
| V PROFILE          |               |              | ✓       |


| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>BAR TURNING TOOL<br/>NO. 110 ISO 1</b><br> | 1010                     | 375      |
|  | 1212                     | 405      |
|  | 1616                     | 550      |
|  | 2020                     | 875      |
|  | 2525                     | 1310     |
|  | 3232                     | 2140     |
|  | 4040                     | 4400     |
|  | 5050                     | 9000     |
|  | 1610                     | 440      |
|  | 2012                     | 610      |
|  | 2516                     | 815      |
|  | 3220                     | 1375     |
|  | 4025                     | 2220     |
|  | 5032                     | 5055     |
| 6040   | 9200                     |          |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>RECESSING TOOL<br/>NO. 127 ISO 4</b><br> | 1010                     | 405      |
|  | 1212                     | 500      |
|  | 1616                     | 745      |
|  | 2020                     | 1115     |
|  | 2525                     | 1820     |
|  | 3232                     | 3595     |
|  | 4040                     | 8875     |
|  | 5050                     | 15940    |
|  | 1610                     | 550      |
|  | 2012                     | 590      |
|  | 2516                     | 865      |
|  | 3220                     | 1665     |
|  | 4025                     | 2880     |
|  | 5032                     | 5480     |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>CRANKED TURNING<br/>&amp; FACING TOOL<br/>NO. 111 ISO 2</b><br> | 1010                     | 405      |
|  | 1212                     | 445      |
|  | 1616                     | 620      |
|  | 2020                     | 855      |
|  | 2525                     | 1290     |
|  | 3232                     | 2215     |
|  | 4040                     | 4305     |
|  | 5050                     | 9140     |
|  | 1610                     | 480      |
|  | 2012                     | 650      |
|  | 2516                     | 875      |
|  | 3220                     | 1390     |
|  | 4025                     | 2490     |
|  | 5032                     | 5155     |
| 6040   | 9365                     |          |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>CRANKED FACING TOOL<br/>NO. 126 ISO 5</b><br> | 1010                     | 405      |
|  | 1212                     | 445      |
|  | 1616                     | 620      |
|  | 2020                     | 855      |
|  | 2525                     | 1290     |
|  | 3232                     | 2215     |
|  | 4040                     | 4305     |
|  | 5050                     | 9140     |
|  | 1610                     | 480      |
|  | 2012                     | 650      |
|  | 2516                     | 875      |
|  | 3220                     | 1390     |
|  | 4025                     | 2490     |
|  | 5032                     | 5155     |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>CRANKED FINISHING<br/>TOOL NO. 123<br/>ISO 3</b><br> | 1010                     | 405      |
|  | 1212                     | 445      |
|  | 1616                     | 620      |
|  | 2020                     | 855      |
|  | 2525                     | 1290     |
|  | 3232                     | 2215     |
|  | 4040                     | 4305     |
|  | 5050                     | 9140     |
|  | 1610                     | 480      |
|  | 2012                     | 650      |
|  | 2516                     | 875      |
|  | 3220                     | 1390     |
|  | 4025                     | 2490     |
|  | 5032                     | 5155     |
| 6040   | 9365                     |          |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>CRANKED KNIFE TOOL<br/>NO. 117 ISO 6</b><br> | 1010                     | 405      |
|  | 1212                     | 445      |
|  | 1616                     | 620      |
|  | 2020                     | 855      |
|  | 2525                     | 1290     |
|  | 3232                     | 2215     |
|  | 4040                     | 4305     |
|  | 5050                     | 9140     |
|  | 1610                     | 480      |
|  | 2012                     | 650      |
|  | 2516                     | 875      |
|  | 3220                     | 1390     |
|  | 4025                     | 2490     |
|  | 5032                     | 5155     |

Note : The above prices are same for  
all 4 grades I.E K10,K20,P30,P40

| TOOL TYPE / NO.                       | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---------------------------------------|--------------------------|----------|
| <b>PARTING OFF TOOL<br/>NO. ISO 7</b> | 1010                     | 490      |
|                                       | 1212                     | 550      |
|                                       | 1616                     | 615      |
|                                       | 2020                     | 675      |
|                                       | 2525                     | 905      |
|                                       | 3232                     | 1435     |
|                                       | 1006                     | 405      |
|                                       | 1208                     | 480      |
|                                       | 1610                     | 515      |
|                                       | 2012                     | 570      |
|                                       | 2516                     | 750      |
|                                       | 3220                     | 1205     |
|                                       | 4025                     | 1990     |
|                                       | 5032                     | 2815     |

| TOOL TYPE / NO.                             | SHANK SIZE<br>B (mm) | H X | Rs. / PC |
|---|----------------------|-----|----------|
| <b>STRAIGHT ROUND<br/>NOSE TOOL NO. 113</b> | 1010                 |     | 405      |
|   | 1212                 |     | 445      |
|   | 1616                 |     | 625      |
|   | 2020                 |     | 975      |
|   | 2525                 |     | 1400     |
|   | 3232                 |     | 2605     |
|   | 4040                 |     | 4840     |
|   | 1610                 |     | 490      |
|   | 2012                 |     | 595      |
|   | 2516                 |     | 815      |
|   | 3220                 |     | 1130     |
|   | 4025                 |     | 2270     |
|   | 5032                 |     | 4250     |
|   |                      |     |          |

| <b>BORING TOOL NO.130 -<br/>131 ISO 8</b> | DIA. 08 | 695  |
|---|---------|------|
|   | DIA. 10 | 750  |
|   | DIA. 12 | 800  |
|   | DIA. 16 | 920  |
|   | DIA. 20 | 1125 |
|   | DIA. 25 | 2140 |
|   | DIA. 32 | 2720 |
|   | O808    | 750  |
|   | 1010    | 800  |
|   | 1212    | 875  |
|   | 1616    | 1050 |
|   | 2020    | 1290 |
|   | 2525    | 2400 |
|   | 3232    | 3120 |
| 4040                                      | 4530    |      |
| 5050                                      | 8320    |      |


| <b>CRANKED ROUND<br/>NOSE TOOL NO. 115</b> | 1010 | 445  |
|--|------|------|
|  | 1212 | 475  |
|  | 1616 | 650  |
|  | 2020 | 975  |
|  | 2525 | 1400 |
|  | 3232 | 2725 |
|  | 4040 | 5040 |
|  | 1610 | 540  |
|  | 2012 | 625  |
|  | 2516 | 855  |
|  | 3220 | 1190 |
|  | 4025 | 2370 |


| <b>BORING TOOL<br/>NO. 135 - 137<br/>ISO 9</b> | DIA. 08 | 695  |
|--|---------|------|
|  | DIA. 10 | 750  |
|  | DIA. 12 | 800  |
|  | DIA. 16 | 920  |
|  | DIA. 20 | 1125 |
|  | DIA. 25 | 2140 |
|  | DIA. 32 | 2720 |
|  | O808    | 750  |
|  | 1010    | 800  |
|  | 1212    | 875  |
|  | 1616    | 1050 |
|  | 2020    | 1290 |
|  | 2525    | 2400 |
|  | 3232    | 3120 |
| 4040   | 4530    |      |
| 5050   | 8320    |      |


| <b>BAR TURNING<br/>TOOL NO. 116</b> | 1010 | 370  |
|-------------------------------------|------|------|
|                                     | 1212 | 405  |
|                                     | 1616 | 545  |
|                                     | 2020 | 800  |
|                                     | 2525 | 1240 |
|                                     | 3232 | 2145 |
|                                     | 4040 | 4230 |
|                                     | 5050 | 9000 |
|                                     | 1610 | 440  |
|                                     | 2012 | 705  |
|                                     | 2516 | 1005 |
|                                     | 3220 | 1375 |
|                                     | 4025 | 2215 |


| <b>POINTED TURNING<br/>TOOL NO. 122</b> | 1010 | 405  |
|---|------|------|
|   | 1212 | 500  |
|   | 1616 | 550  |
|   | 2020 | 750  |
|   | 2525 | 1070 |
|   | 3232 | 2645 |
|   | 4040 | 4855 |
|   | 5050 | 5295 |
|   | 1610 | 545  |
|   | 2012 | 575  |
|   | 2516 | 750  |
|   | 3220 | 1120 |
|   | 4025 | 1860 |
|   | 5032 | 3915 |


Note : The above prices are same for  
all 4 grades I.E K10,K20,P30,P40


| TOOL TYPE / NO.   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
| <b>BORING TOOL NO. 140<br/>(60 DEGREE)</b><br> | DIA. 08                  | 405      |
|   | DIA. 10                  | 405      |
|   | DIA. 12                  | 475      |
|   | DIA. 16                  | 620      |
|   | DIA. 20                  | 1105     |
|   | DIA. 25                  | 1430     |
|   | O808                     | 470      |
|   | 1010                     | 470      |
|   | 1212                     | 540      |
|   | 1616                     | 750      |
|   | 2020                     | 1190     |
|   | 2525                     | 1570     |


| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>BORING TOOL NO.141 (90 DEGREE)</b><br> | DIA. 08                  | 405      |
|  | DIA. 10                  | 405      |
|  | DIA. 12                  | 475      |
|  | DIA. 16                  | 620      |
|  | DIA. 20                  | 1105     |
|  | DIA. 25                  | 1430     |
|  | O808                     | 470      |
|  | 1010                     | 470      |
|  | 1212                     | 540      |
|  | 1616                     | 750      |
|  | 2020                     | 1190     |
|  | 2525                     | 1570     |

| TOOL TYPE / NO.   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
| <b>BORING TOOL NO.142 (45 DEGREE)</b><br> | DIA. 08                  | 405      |
|   | DIA. 10                  | 405      |
|   | DIA. 12                  | 475      |
|   | DIA. 16                  | 620      |
|   | DIA. 20                  | 1105     |
|   | DIA. 25                  | 1430     |
|   | O808                     | 470      |
|   | 1010                     | 470      |
|   | 1212                     | 540      |
|   | 1616                     | 750      |
|   | 2020                     | 1190     |
|   | 2525                     | 1570     |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>STRAIGHT TURNING &amp; GROOVING TOOL NO. 163</b><br> | 1010                     | 500      |
|  | 1212                     | 565      |
|  | 1616                     | 855      |
|  | 2020                     | 1245     |
|  | 2525                     | 2080     |
|  | 3232                     | 4530     |
|  | 4040                     | 8700     |
|  | 1610                     | 490      |
|  | 2012                     | 620      |
|  | 2516                     | 940      |
|  | 3220                     | 1540     |
|  | 4025                     | 2300     |


| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>PULLEY GROOVING TOOL NO. 164</b><br> | 1616 - 32°-150-NW4.9     | 1300     |
|  | 1616 - 34°-150-NW4.6     | 1300     |
|  | 1616 - 36°-150-NW4.3     | 1300     |
|  | 1616 - 38°-150-NW3.9     | 1300     |
|  | 2020 - 32°-175-NW6.5     | 1775     |
|  | 2020 - 34°-175-NW6.0     | 1775     |
|  | 2020 - 36°-175-NW5.5     | 1775     |
|  | 2020 - 38°-175-NW5.1     | 1775     |
|  | 2525 - 34°-200-NW8.5     | 3290     |
|  | 2525 - 36°-200-NW8.0     | 3290     |
|  | 2525 - 38°-200-NW7.4     | 3290     |
|  | 2516 - 32°-150-NW4.9     | 1490     |
|  | 2516 - 34°-150-NW4.6     | 1490     |
|  | 2516 - 36°-150-NW4.3     | 1490     |
|  | 2516 - 38°-150-NW3.9     | 1490     |
|  | 3220 - 32°-175-NW6.5     | 1990     |
|  | 3220 - 34°-175-NW6.0     | 1990     |
|  | 3220 - 36°-175-NW5.5     | 1990     |
|  | 3220 - 38°-175-NW5.1     | 1990     |
|  | 4025 - 34°-200-NW8.5     | 3790     |
| 4025 - 36°-200-NW8.0   | 3790                     |          |
| 4025 - 38°-200-NW7.4   | 3790                     |          |

| TOOL TYPE / NO.  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| <b>EXTERNAL THREADING TOOL NO. 165</b><br> | 1010                     | 540      |
|  | 1212                     | 570      |
|  | 1616                     | 740      |
|  | 2020                     | 1005     |
|  | 2525                     | 1495     |
|  | 3232                     | 1975     |
|  | 1610                     | 655      |
|  | 2012                     | 755      |
|  | 2516                     | 905      |
|  | 3220                     | 1465     |
|  | 4025                     | 2165     |

| TOOL TYPE / NO.   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
| <b>INTERNAL THREADING TOOL NO. 166</b><br> | 1010                     | 890      |
|   | 1212                     | 1000     |
|   | 1616                     | 1090     |
|   | 2020                     | 1330     |
|   | 2525                     | 1745     |
|   | 3232                     | 2630     |
|   | DIA. 10                  | 875      |
|   | DIA. 12                  | 990      |
|   | DIA. 16                  | 1090     |
|   | DIA. 20                  | 1320     |
|   | DIA. 25                  | 1740     |
| DIA. 32   | 2610                     |          |


Note : The above prices are same for all 4 grades I.E K10,K20,P30,P40


| TOOL TYPE / NO.                          | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| THREADING TOOL WITH 166 " V<br>" PROFILE | 11V                      | 815      |
|  | 12V                      | 990      |
|  | 13V                      | 1375     |
|  | 14V                      | 1925     |





| TOOL TYPE / NO.                            | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
| CRANKED INTERNAL RECESSING<br>TOOL NO. 156 | 1010                     | 770      |
|  | 1212                     | 875      |
|  | 1616                     | 980      |
|  | 2020                     | 1265     |
|  | 2525                     | 1730     |
|  | 3232                     | 2465     |
|  | 4040                     | 4090     |




| EXTERNAL THREADING<br>TOOL NO. IND 2  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
|  | 1010                     | 630      |
|   | 1212                     | 745      |
|   | 1616                     | 790      |
|   | 2020                     | 875      |
|   | 2525                     | 1465     |
|   | 1610                     | 655      |
|   | 2012                     | 755      |
|   | 2516                     | 905      |
|   | 3220                     | 1465     |
|   | 4025                     | 2165     |


| INTERNAL THREADING<br>TOOL NO. IND 3  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
|  | O808                     | 890      |
|   | 1010                     | 890      |
|   | 1212                     | 1000     |
|   | 1616                     | 1090     |
|   | 2020                     | 1330     |
|   | 3232                     | 2630     |

| TURNING TOOL NO.<br>196   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
|  | O404                     | 740      |
|   | O505                     | 740      |
|   | O606                     | 875      |
|   | O707                     | 965      |
|   | O808                     | 970      |
|   | 1010                     | 1055     |
|   | 1212                     | 1065     |
|   | 1414                     | 1165     |

| PARTING TOOL NO.<br>197   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|---|--------------------------|----------|
|  | O404                     | 740      |
|   | O505                     | 740      |
|   | O606                     | 875      |
|   | O707                     | 965      |
|   | O808                     | 970      |
|   | 1010                     | 1055     |
|   | 1212                     | 1065     |
|   | 1414                     | 1165     |

| ROLLER GROOVING<br>TOOLS   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
|  | 2525 (35°)               | 3820     |
|  | 2525 (40°)               | 3820     |
|  | 2525 (45°)               | 3820     |
|  | 2525 (50°)               | 3820     |
|  | 2525 (55°)               | 3820     |
|  | 3232 (35°)               | 7200     |
|  | 3232 (40°)               | 7200     |
|  | 3232 (45°)               | 7200     |
|  | 3232 (50°)               | 7200     |
|  | 3232 (55°)               | 7200     |
|  | 4040 (35°)               | 8875     |
|  | 4040 (40°)               | 8875     |
|  | 4040 (45°)               | 8875     |
|  | 4040 (50°)               | 8875     |
|  | 4040 (55°)               | 8875     |
|  | 3225 (35°)               | 7200     |
|  | 3225 (40°)               | 7200     |
|  | 3225 (45°)               | 7200     |
| 3225 (50°)   | 7200                     |          |
| 3225 (55°)   | 7200                     |          |

| BRAZED SCRAPERS<br>TOOL NO. 620  | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
|  | 1315                     | 2250     |
|  | 1320                     | 2465     |
|  | 1325                     | 2710     |
|  | 1330                     | 2940     |

| MESSCHAERT<br>GROOVING TOOLS   | SHANK SIZE<br>H X B (mm) | Rs. / PC |
|--|--------------------------|----------|
|  | 3232 (6mm)               | 4015     |
|  | 3232 (8mm)               | 4825     |
|  | 3232 (10mm)              | 5265     |
|  | 4040 (6mm)               | 4845     |
|  | 4040 ( 8mm)              | 5660     |
|  | 4040 (10mm)              | 6090     |

Note : The above prices are same  
for all 4 grades I.E K10,K20,P30,P40



## TERMS AND CONDITIONS

ALL GOVT. TAXES AND LEVIES ARE ADDITIONAL TO THESE PRICES

WE ALSO MANUFACTURE SPECIAL PRODUCTS AS PER YOUR REQUIREMENTS & DRAWINGS

THIS PRICELIST IS EFFECTIVE FROM 01-01-2023 & supersedes all previous price lists.

ANY PRODUCT DIMENSIONAL VARIABILITY MAY OCCOUR DUE TO VARIATION IN RAW MATERIAL

This Price List subject to alteration without prior notice and the prices are based on the present input costs.

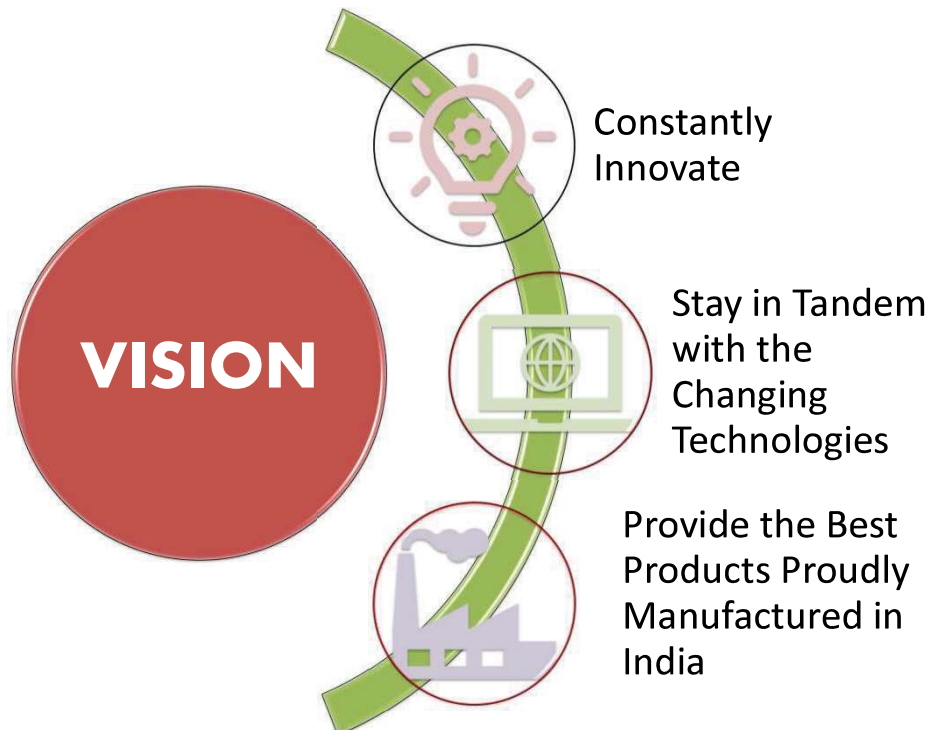
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# ZENSTAR

is committed towards one primary goal

**CUSTOMER SATISFACTION & LOYALTY**



*“Products are made in the factory,  
but brands are created in the mind”*



**TECHNO TOOLS IMPEX**



**ZENSTAR**

Quality Tooling Redefined

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