

The following quiz has twenty questions and is designed to test the basic knowledge of *dimensional input* in CNC programming for both, milling and turning applications.

Answer each question with a short and clear answer or fill-in the missing data, as required:

| #  | Question  | Answer   |
|----|---|--|
| 1  | What is the minimum motion increment in metric units ?  |  |
| 2  | With a leading zero suppression, English input is X712.<br>What is its equivalent in decimal place format ? |  |
| 3  | Name the program codes for metric units input, incremental input, absolute input, and English units input:  | a/ Metric:<br>b/ Incremental:<br>c/ Absolute:<br>d/ English: |
| 4  | What is the typical meaning of the X address in turning ?   |  |
| 5  | Specify the units of feedrate for a metric lathe program:   |  |
| 6  | Which mode - English or metric - is more accurate and why ?   |  |
| 7  | <b>IPM</b> or <b>ipm</b> is an abbreviation. What does it mean ?  |  |
| 8  | On a CNC lathe, the address W is often used.<br>What is its purpose ?                                       |  |
| 9  | Describe absolute dimensioning mode:  |  |
| 10 | Describe absolute dimensioning mode:  |  |

|    |  |  |
|----|--|--|
| 11 | On most CNC controls, which mode is the default mode?<br>G90 or G91 ?                                      |  |
| 12 | Name at least six addresses that use decimal point in <i>milling</i> applications:                         |  |
| 13 | Name at least six addresses that use decimal point in <i>turning</i> applications:                         |  |
| 14 | As a rule, can both the metric and English units be used in the same program - Yes or No ?                 |  |
| 15 | The U address is used for what purpose ?   |  |
| 16 | What is the minimum motion increment for English input ?   |  |
| 17 | Before decimal point programming, there were three other formats. Name at least one of them:               |  |
| 18 | Using metric units and leading zero suppression, what is the equivalent of Z1000 in decimal place format ? |  |
| 19 | Describe briefly what is a calculator type input of dimensions:  |  |
| 20 | What does the abbreviation FPM represent ?   |  |