

# Kinetic K5000 XMC Machining , Plasma & Flame cutting



## Plasma Tolerance

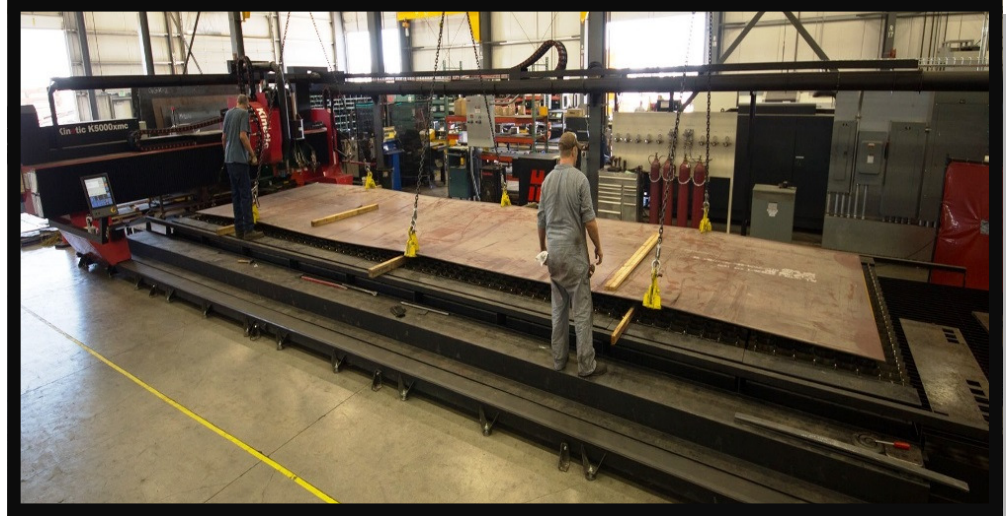
For parts 36" x 36" or smaller. For larger parts, add 0.002"/foot.

| THICKNESS | TOLERANCE (In Inches) |
|-----------|-----------------------|
| Gauge     | 0.017                 |
| 0.188     | 0.019                 |
| 0.25      | 0.021                 |
| 0.313     | 0.023                 |
| 0.375     | 0.038                 |
| 0.5       | 0.047                 |
| 0.625     | 0.056                 |
| 0.75      | 0.064                 |
| 1         | 0.082                 |
| 1.25      | 0.099                 |
| 1.5       | 0.169                 |
| 1.75      | 0.195                 |
| 2         | 0.222                 |
| 2.25      | 0.248                 |
| 2.5       | 0.274                 |
| 2.75      | 0.3                   |
| 3         | 0.326                 |

Width 10' Length 40'

24 automatic tool changer

Combination Plasma/Flame bevel, Marking Systems,  
Flame cutting and multiple torch stations



## Capabilities :

|                         |                |
|-------------------------|----------------|
| DRILLING                | COUNTERBORING  |
| MILLING                 | PLASMA CUTTING |
| TAPPING                 | FLAME CUTTING  |
| MARKING                 | BEVEL CUTTING  |
| AUTOMATIC TOOL CHANGING |                |

## Flame Tolerance

For parts 36" x 36" or smaller. For larger parts, add 0.002"/foot.

| THICKNESS | TOLERANCE (IN INCHES) |
|-----------|-----------------------|
| ≤ 3.0"    | 1/8                   |
| > 3.0"    | 1/4                   |



## Additional Information

|   |       |
|---|-------|
| Max drilled hole (current tooling on hand)      | 1.25" |
| Max drilled hole (check tooling avail. 1st)     | 4"    |
| Max tapped hole                                 | 1.25" |
| Max plasma thickness                            | 3"    |
| Max flame thickness                             | 8"    |
| Max bevel angle                                 | 45*   |
| Max bevel "length"                              | 3"    |
| Max plate thickness with 45* bevel              | 2.0"  |
| <i>Bevels can be on top and bottom of parts</i> |       |
| <i>10-8" x 40'-8" cutting table size</i>        |       |
| Min OD of a feature's profile                   | .125" |
| Min material thickness for machining            | 1/4"  |

## Machining Tolerance & Capacity

Feature location:

| DISTANCE BETWEEN FEATURES | TOLERANCE (IN INCHES) |
|---------------------------|-----------------------|
| ≤ 36"                     | 0.006 "               |
| > 36"                     | 0.006" + 0.002"/foot  |

Feature size:

|          |            |
|----------|------------|
| Drilling | +/- 0.010" |
| Milling  | +/- 0.010" |

Tap sizes:

|              |                   |
|--------------|-------------------|
| < 1/2" plate | 1/4 min tap size  |
| < 3/4" plate | 5/16 min tap size |