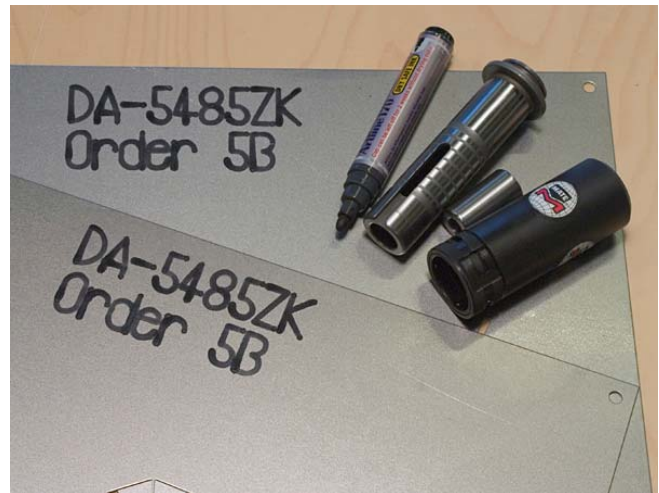


## EFFICIENT COMPONENT MARKING & IDENTIFICATION WITH EASYMARK™

### THE PROBLEM:

Are your downstream processes clearly communicated? Do you want to improve them? When manufacturing processes frequently take place in multiple locations, clear communications are key to ensuring the accuracy of the sequential next process. To minimize error, components should be marked before they move on to the next step for easy identification. Typically, this involves some sort of traditional marking. While effective, traditional marking can remove material or damage the piece part.



### THE MATE SOLUTION:

Determined to find a better component marking solution, Mate Precision Tooling and Finn-Power embarked on a development project for a turret-based part marking system. The result was the EasyMark™ 5-in-1 tool that provides users with five part marking capabilities using the same A-Station guide and canister:

- 1. InkMarker™:** Write on sheet metal using a special marker that does not dry out for two weeks or more. With InkMarker, the part is not harmed and the mark does not rub off unless required. What's more, the specially designed marker will not dry out for more than two weeks with the cap removed!
- 2. Sheetmarker™:** Scribe or etch sheet metal surfaces using one of two (120 or 150 degree) diamond inserts for more permanent marking.
- 3. Film/Tape Cutter:** Cut protective film with a brass insert to expose localized areas without damaging the underlying material.
- 4. Centerpoint Down:** Uses a carbide insert in conjunction with machine depth control.
- 5. High-Speed Dot-Matrix Marking:** Perform dot matrix marking using the above carbide insert. Control the depth of downward stroke to vary the marking. Dot-matrix markings may be seen after painting operations.

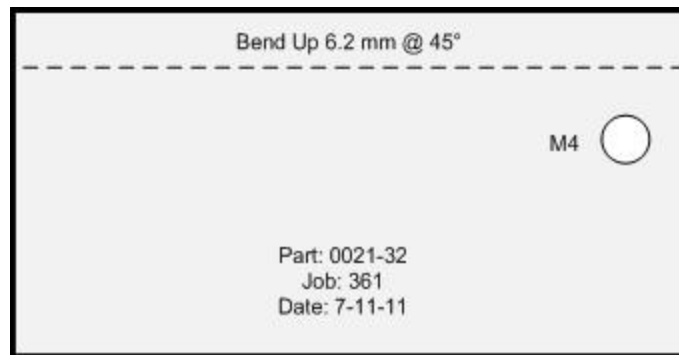
Improved communication would be realized with the use of the visual aids EasyMark creates. Using any one or all of its capabilities could reduce downstream operations and/or paperwork right at the turret. EasyMark can create both permanent (scribe, dot matrix) and non-permanent (marker) markings. Possible reduction in scrap could be achieved through proper identification of components and or steps.

# SOLUTION BULLETIN



With EasyMark, the possibilities for what you can mark are almost endless:

- Job numbers
- Revision numbers
- Part numbers
- Serial numbers
- Date codes
- Simple process instructions about hardware, bending, painting, etc.
- Bend line locations, distance and direction
- Material removal area identification
- Warnings about special situations
- Identify label or gasket locations to obtain consistent results without fixtures
- Weld lengths, types and locations with symbols, if desired
- Ground screw locations and symbols
- Use in conjunction with written instructions
- Produce creative signs or designs (“Welcome Visitors” with graphics...)
- Insert hardware size, location and direction (e.g., “M4-up”)



## EXAMPLES OF HOW ACTUAL CUSTOMERS ARE USING EASYMARK:

- Marking all of their bend lines because they don't rely on the back gauge when they use two people on the press brake.
- Scribing a line to shear parts down after they go through the press brake so they don't have to use back up material on the flange.
- Marks all of parts with lot or job numbers for traceability if the same part is being used on different assembly lines.
- Used intentionally on powder coated parts because the marker will bleed through the paint, making sure the parts can be identified when they come off the paint line.
- Mark lines that help during plasma cutting.

## POTENTIAL INDUSTRIES THAT COULD USE THESE TOOLS:

- Aerospace
- Appliances
- Commercial Furniture
- Electronics and Enclosures
- Food Service Equipment/Refrigeration
- HVAC (Heating/Ventilation/Air Conditioning)
- Lighting
- All others!

# SOLUTION BULLETIN



## AVAILABLE TOOLING STYLES:

- Thick Turret only

## STATION SIZES:

- Thick Turret A-Station only, no index station required

## MATERIAL RESTRICTIONS:

- None

## REQUIREMENTS:

- Need a clean, oil free surface to use the marker
- Turret press needs the proper software to use EasyMark. Most presses that can control the ram location precisely will work. Mechanical machines are not suited for using EasyMark.
- The ram must be able to be set at a specific location downwards while the sheet is being moved.
- Machines capable of using a wheel, scribe or similar application

## TONNAGE RESTRICTIONS:

- None known

## HOW TO ORDER:

- Order Mate part number **MATE01724**



# SOLUTION BULLETIN



The EasyMark 5-in-1 comes as a complete kit in a special protective case with the following items:

- Special A-Station guide and canister
- Marker pen
- 2 diamond inserts
- 1 brass insert
- Roller ball die
- Blank die
- All tools necessary to assemble EasyMark into any of its configurations

## OTHER MATE PRODUCTS TO CONSIDER:

- Almost any tool that would benefit from having text or markings associated with the features it creates:
  - EasyBend
  - EasySnap
  - Threadform
  - Countersinks