

# CASE STUDY

## Ink Jet Printer Head Mount

### CHALLENGE

The customer in this case was a large industrial bakery who needed an adjustable X, Y, & Z mount for their ink jet printer heads. The manufacturer of the head had only a single axis mount available which was not suitable for what the customer needed. The customer did have the option of fabricating their own mount out of steel and milling in slots for the adjustment.

### SOLUTION

The solution for this challenge was to utilize 80/20 extruded aluminum framing system. With the 80/20 product line we were able to provide 80/20 Custom Machined linear motion brackets to achieve our three axis of movement. These brackets were then used in conjunction with standard metric extrusion to produce the completed frame.

### BENEFITS

The benefits to the customer on this project are numerous.

1. By using Price Engineering and the 80/20 product line the customer eliminated the in house labor of their maintenance department to fabricate through trial and error a support that would work for the application.
2. The customer was also please to have each kit (there were four) packaged individually with a tagged drawing and bill of material supplied for the kits. This allowed their maintenance department to install one kit at a time without having parts for four kits scattered about the shop.
3. The cost of the Price Engineering supplied kits to the customer was a fraction of what the cost was estimated by the customer for in house design, fabrication, and material.
4. By using metric smooth extrusion we were able to create an aesthetically pleasing frame that blended well with its surroundings.

