



## DELTA TAU

Data Systems, Inc.

NEW IDEAS IN MOTION ...

# News in MOTION

## PMAC & YOU

In a few short years, Delta Tau's motion controllers (particularly the PMAC) have reached into almost every corner of our daily lives. From the time you get up in the morning, to well past the time you go to bed, our motion controllers are making, inspecting, and packaging hundreds of common products.

### *When you Sleep*

**Quilts are sewn**, springs are shaped, and pajamas are cut and stitched by PMAC Motion Controllers. Your **waterbed heater** could be PMAC-made.

### *When you awake*

Clothing from slippers, suits, and furniture to lamps and tables are typical of items produced under PMAC control. In the bathroom, the PMAC Motion Controller assembles and sharpens your **razor**, cuts and rolls the toilet paper, and packages deodorant. Your eyeglasses or contact lenses may have been ground by PMAC controlled machinery!

### *At Mealtime*

PMAC grinds your coffee; bakes, slices, and packages your bread; cuts your **bacon**, pastry, cakes, and your fish filets with high-pressure jets; it carefully packages your cereal according to weight. It may be that the beer you enjoy and the chocolates you eat were handled by PMAC.

### *Driving your car*

The PMAC Motion Controller makes your car by **grinding the cam shafts**, testing the engine,

igniting the spark plugs, painting the exterior, shaping and tinting the **windshield**, gluing the rubber trim on the window, forming and fitting the body panels, then assembling and welding the entire car. The PMAC even controls pumping the gasoline through major pipelines. PMAC may have produced your Automatic Braking System (ABS), which stops your car. The cassette tapes you play as you drive may have been packaged under PMAC's control.

### *At Work*

Office papers could have been cut, counted, and stacked by a PMAC. Plastic and aluminum products made by extrusion are likely to have been touched by PMAC Controllers. Your office is lit by light bulbs that may have been built by PMAC. The PMAC may have been used to manufacture the disk drives, semi-conductors, connectors and the **LCD** displays on your computer. The PMAC has also made it possible to control sophisticated machine tools accurately, economically, with flexibility and precision. Typical ones are milling machines, lathes, robots, EDM machines, grinders, screw machines, etc.

### *At Play*

PMAC may have performed the camera work in the last action-adventure **movie** you saw, and controlled the whiz-bang amusement park ride you rode on your last vacation.

### *In the Air*

From the jet engine driving your airline to the wings and fuselage of the airliner itself, PMAC has a large presence in the aircraft industry. Your pilot may have been trained on a simulator controlled by PMAC. The navigation and communications equipment in the cockpit may have been manufactured and tested by PMAC Motion Controllers. PMAC also controls many of the telescopes around the world. PMAC controlled the grinding of the corrective lenses for the **Hubble Telescope**, thus giving the world a vision of the universe as never seen before.

### *In Medicine*

PMAC is one of the first motion controllers to do robotic-based surgery, and if you've had an angioplasty, the PMAC may have made the balloon catheter your doctor used. If you had **Laser Eye Surgery**, the PMAC may have been controlling the Laser Beam that shaped your eyes.

Wherever you are, Delta Tau's leadership product, the PMAC Motion Controller is probably there, improving productivity and product quality while at the same time lowering costs.

What makes PMAC "the best" are many things in combination; the reliability, speed, accuracy, versatility, and overall capability are parts of the product that make an outstanding whole – backed by a team of dedicated people committed to excellence in service.

**Single Source Machine Control**

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