

For Immediate Release

## Primatics Launches PCR43 Series Cross Roller Stages

Corvallis, OR (November 15<sup>th</sup>, 2001) - Primatics introduces its latest stage series, the PCR43. The PCR43 linear motor table is a very compact, high performance, direct drive stage designed for high volume production applications in life sciences, semiconductor and photonics alignment.

Only 135mm wide and 43mm tall, two of these stages can bolt directly together to form a stiff, compact XY assembly, without adapter plates. Precision ground cross roller ways provide high stiffness with smooth motion, ideal for supporting offset loads. Travels of 25mm, 50mm and 100mm are standard. Anti-cage creep cross rollers are available for high acceleration applications. A high performance pneumatic counterbalance system is available for vertical applications.

The PCR43 features a moving magnet, moving encoder design, which locates all electrical connections in the stationary stage base. All multiplication electronics are incorporated into the stage, eliminating the need for bulky external multiplier boxes. The PCR43 also offers a multi-axis cable management system designed specifically to minimize cable forces on the stage stack. The resulting absence of external multiplication boxes, coupled with our cable management system, is clean, compact and minimizes motion errors.

To achieve the best step to step accuracy possible, the PCR43 incorporates a 4mm pitch Heidenhein glass scale linear encoder. This encoder features interpolation errors less than 80nm, significantly improving velocity ripple and stage accuracy. Obtainable resolutions of one encoder count are easily achievable. Encoder resolutions of 10nm, 20nm and 40nm are available.

PCR43 stages are available in standard and custom versions. Pricing begins at \$6900 for single quantities with delivery in 4-6 weeks.

