

## **Bright ideas for manufacturing**

*Lasers have captured our imagination for some 50 years, since the first “maser” – microwave-based laser – was invented.*

*From James Bonds, Star Wars, and Star Trek, to eye surgery and tattoo removal, and, in manufacturing – cutting, engraving, and 3D prototyping, the laser has gained widespread acceptance and use.*

*For good reasons. Lasers perform 24/7 for years, without maintenance. There are no mechanical or moving parts to wear out or break down. Production downtime is reduced. And, because the laser’s beam, not the laser, comes in contact with the material it is working on, damage commonly caused by mechanical machines is avoided.*

*World Lasers business mission is to harness the promise of the laser so you can maximize its benefits. Which means getting the right laser for your application, for the material being used...and for your budget.*

*World Lasers offers a truly unique array of laser options – from efficient, economical laser-router systems that engrave plaques to large units that can continuously cut material, from fabric to 1/4” plastic, up to 60” wide.*

*For experienced users whose needs require special laser-system answers to first-time users who want to start slowly with a project outsourced to an experienced laser job shop, World Lasers is ready to work with you.*



## **WORLD LASERS**

*Bright ideas for manufacturing™*

[www.shipslasers.com](http://www.shipslasers.com)



## Industrial Laser-Cutting Products and Services

Meet any laser demand for non-metal processing with one of eight distinctly different models – standard laser products that cut and mark rolled and flat goods, from textile, woven and non-woven fabrics to plastic film, gasket material, filter material and rigid material...practically any non-metal.



### LaserReady|FB

The foundation for the SFL and CFL units, the FBL delivers a traditional X-Y cutting table and the ability to upgrade as production increases.

**LaserReady|SF** Independent shuttles keep your laser cutting without stopping, helping to double productivity. Less than six-second cycle time and less than .002" repeatability on tables. The SFL can also cut from roll stock.

**LaserReady|CF** Continuous-feed cutting enables you to cut shapes and virtually any length file from a continuous roll of material. This conveyORIZED cutting system essentially eliminates the material waste typically encountered in traditional cutting systems.

### Material Processing Services

One-of-a-kind, prototype, production overflow, or "get-acquainted" projects can be addressed quickly, economically, and reliably by a World Lasers **LaserReady** partner.



## Integrated Laser-Router System for Commercial Users

Introduced at the International Sign Expo 2004, the industry's first integrated laser-router system brings together practical and proven components – CNC routing production centers, laser-beam delivery systems, and a package of leading-edge software – that raise the bar in quality and reliability for the small business while lowering the cost-of-entry and total cost of operation.

### LaserReady24 | 48 | 96

Beyond their basic differences – their work envelopes are 30" x 24," "50" x 48," and "50" x 96" – these three revolutionary laser-router systems have one thing in common: they are packed with features that translate into ease of use, long-life, and increased profits.

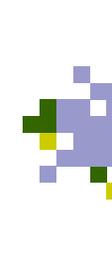
But more than simply practical, these **LaserReady** systems are powerful, fueled by CO2 laser packages, 20W to 100W, custom front-end laser CNC software, and computer-based management tools.



Although this is the first and only integrated laser-router system currently available, the two major subsystems are built on the success of tens of thousands in use today.

### Laser Marking Systems

Laser marking systems perform non-contact marking and engraving of steels, carbide, ceramics, plastics, glass, aluminum, black oxidized steels, wood and more. Near perfect beam quality provides a tightly focused, precise laser spot with extraordinary power density.



## Laser Systems For Specific Manufacturing Requirements

One size fits all doesn't work well in a volatile business environment that needs to be responsive to the needs of its customers worldwide. World Lasers understands that, and offers a practical approach to tailored laser systems.

### LaserReady|BX

series of tailored systems is World Lasers response to your need for a unique system for your manufacturing requirement, but without the cost traditionally associated with the word "custom."



By integrating proven subsystems from proven manufacturers, always with an eye to the return on your investment, and supporting that customer-centric objective with world-class project management resources, World Lasers has been able to deliver on-target system at off-the-shelf prices and reliability!

### Surface Preparation and Cleaning with Lasers

Laser systems offer new and innovative laser ablation technology for industrial surface treatment, cleaning, and paint removal.

The laser technology integral to these new laser-cleaning systems helps remove contaminants, production residue and coatings without damaging the substrate. The laser cleaning systems combine power and versatility with the lowest operating cost of all industrial cleaning methods.