

# JORDAN TOF PRODUCTS, INC.

Formerly  
R. M. Jordan Co., Inc.

## MOLECULAR BEAM TIME OF FLIGHT COMPONENTS PULSE VALVES, FAST ION GAGE AND LASER WINDOWS

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Of This Page](#)

*These items are currently unavailable. We do provide parts, documentation and service for existing products.*

### PSV PULSED SUPERSONIC VALVE C-211

[Reflectron TOF \(RETOF\)](#)

[PSV Parts Diagram \(PDF\)](#) *Click on link to open*

[Orthogonal Acceleration TOF  
\(oaTOF\)](#)

[PSV Parts Price List \(PDF\)](#) *Click on link to open*

[Ion Trap TOF](#)

[C-211 PSV and D-103 Power Supply Manual \(PDF\)](#) *Click on link to open*

[Linear Time Of Flight](#)

To download, right click on link and "save target as".

[Electron Gun Ionizers](#)

Filesize: approx. 800 KB.

Manual includes PSV Pulsed Supersonic Valve and PSV Power Supply information.

[Microchannel Plate Detectors](#)

### FAST ION GAGE B-451

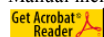
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[D-403 FIG Power Supply / B-451 Probe Manual \(PDF\)](#) *Click on link to open*

To download, right click on link and "save target as".

Filesize: approx. 326 KB.

Manual includes power supply specs and the operation procedure for the Fast Ion Gage assembly.



## CHAMBERS AND FLIGHT TUBES

Chambers and Flight Tubes are manufactured to match our source and detector, or, special designs to mate with the researcher's existing chamber and detector configuration. Flight tubes can include accessories, lenses, and/or steering plates with flat, high transmission grids.

Accessories such as the Ion Source Shroud allow for differential pumping between the chamber and the flight tube. This [shroud and skimmer \(Part number B-682\)](#) increases resolution in a C-677 Lens Stack/Flight Tube Assembly to approximately 1000 when used with a supersonic jet. The [D-679 Liner](#) accessory is available to elevate the potential of the flight tube environment.

## LASER WINDOW C-688

Designed to provide window access to vacuum chambers where odd angles or cramped locations are a problem. The C-688 Laser Window consists of a 1 inch diameter vacuum quick coupling which has been modified by addition of an O-ring groove in its outer face which serves as the vacuum seal with the face of the window.

The O-ring furnished is Viton. Replacement O-rings are available in Kalrez #1050 which allows operation at higher temperature. This formulation is also somewhat solvent resistant allowing it to be cleaned before use to avoid recondensation of contaminants on the face of the window.

The window may be removed and replaced with a larger O-ring and backup ring (C-689 Conversion Kit). The assembly can now be used as a 1 inch quick coupler for insertion of a probe, etc. The Quartz used for the window has a transmission efficiency of 75% at 180 nanometers. *Photo shows C-690F Laser Window Assembly (1.625 Dia.) on 2.75 ICF.*



[Laser Window Price List](#)

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[Time Of Flight Tutorial](#)

[Price List](#)

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Thank you for visiting <http://www.rmjordan.com/c211-451.html>

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