



## DEVELOP-ETCH-STRIP

At Cemco-Fsl we pride ourselves in our ability to incorporate innovative ideas, which often result in reduced operating costs without compromising board quality. Now with over 35 years experience designing and manufacturing equipment we are the preferred supplier of wet process systems to hundreds of PCB and chemical machining companies worldwide.

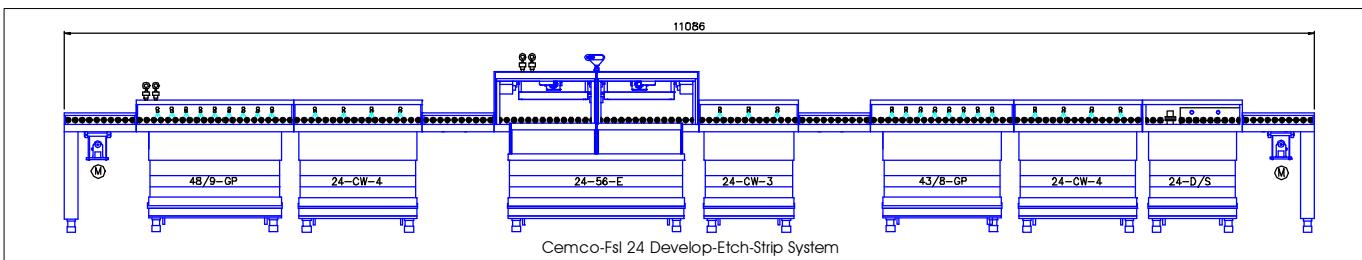
All Cemco-Fsl systems are compact and of modular design. Specialist conveyors are available for processing reel to reel materials, inner layers, multi layers and for use with non PCB applications. Depending on process chemistry and product, a choice of static or oscillating spray manifolds fitted with pre-aligned conical or flat nozzles are available. Balanced 'flow technology' manifolds incorporating differential pressure zones can also be provided to ensure uniform etch rates.

DES lines are built to standard operating widths of 610mm, 760mm, or custom made to order. In cases where cupric chemistry is used, we are able to provide an etchant regeneration and copper recovery system. Each system is manufactured in a range of sizes to suit production throughput.

For stripping applications we offer an online or remote 'separation frame' filtration system. Solution passes through a semi-vertically inclined filter mesh and the waste resist material is collected within the removable frame.

Cemco-Fsl systems incorporate an Allen-Bradley touch screen menu-driven display and PLC control. All process variables are independently adjustable and can be monitored and recorded via an optional PC driven data collection package. An optional Modem is also available to facilitate on-line fault finding.

The equipment is built using appropriate materials for longevity of use. It is simple to operate and designed with ease of maintenance in mind. Safety features include cover switches, high/low level control/alarms, phase failure and earth leakage protection.



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