Special Feature

■ Feature 3: Technology Acquisitions

Features: Technological Innovation in Pursuit of Growth

■ Feature 3: Technology Acquisitions

Timely Acquisitions to Seize Opportunities for Growth



Kenji Washino Corporate Director, Executive V.P., Corporate Development Division, ATS/FPD/PVE

Tokyo Electron conducted four acquisitions in 2012, each with distinct growth objectives.

We acquired U.S.-based FSI International to strengthen existing businesses. This addition will quickly improve the competitiveness of Tokyo Electron's cleaning systems, one of the most important areas of our core semiconductor production equipment business, which we are targeting for expansion. The synergy of this acquisition has already begun to show.

The acquisition of U.S.-based NEXX Systems expands Tokyo Electron's lineup of wafer level packaging

Technologies acquired

products, helping us provide a wide range of solutions to meet the increasingly complex needs of our customers.

Tokyo Electron secured next-generation core technologies through the acquisition of Irish venture company Magnetic Solutions, obtaining magnetic field annealing technologies necessary for the production of a promising new memory.

We acquired the Swiss company Oerlikon Solar to expand our field of operations. With this acquisition, Tokyo Electron made a full-fledged entry into the photovoltaic panel production equipment business, with plans to grow it into a core business over the medium and long term.

As planned, Tokyo Electron is advancing the integration of new resources acquired via M&A with Tokyo Electron's own proprietary technology,

global network and sales support capabilities. Technological innovation moves at a rapid pace in the markets that Tokyo Electron operates in, and it is imperative to be the leader in developing and commercializing superior, differ-

entiated technologies. Going forward, we will flexibly consider a wide range of collaboration, extending to M&A, with other companies in order to achieve a profitable growth.

Acquisition of FSI International

Expanding Tokyo Electron's cleaning system business with new complementary single wafer cleaning technology

Existing TEL Systems

Batch cleaning

Single water cleaning



Physical cleaning



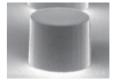
Tokyo Electron will increase its competitiveness in single wafer cleaning systems through the acquisition of FSI International FSI International boasts high-dosed resist stripping technology with high temperature SPM process, an increasingly important technology

Acquisition of NEXX Systems

Strengthening the lineup of advanced packaging products, a future growth driver



Stratus, Electrochemical Deposition System







Cu pillar

Micro bump

By acquiring NEXX Systems, Tokyo Electron expanded its lineup of TSV 3DI packaging technology with NEXX's electrochemical deposition and sputtering systems for advanced packaging.

TSV: through-silicon via



Objectives

business areas

Cleaning technology

FY2013: Corporate acquisitions for further growth

 Single wafer cleaning systems Advanced packaging technology

 Electrochemical deposition systems Sputtering systems

MRAM manufacturing technology Magnetic annealing systems

Photovoltaic panel manufacturing technology

• Thin-film silicon photovoltaic panel production equipment

Oerlikon Solar AG (now TEL Solar AG)

FSI International, Inc.

(now TEL FSI, Inc.)

NEXX Systems Inc.

(now TEL NEXX, Inc.)

Magnetic Solutions Ltd.

(now TEL Magnetic

Solutions Ltd.)

November 2012

December 2012

Completion of

acquisition

October 2012

May 2012