

## STP Upgrades for Legacy Equipment

Many STP turbomolecular pumps, originally designed and manufactured during the 1980s and 1990s, are still running and performing to specification in a range of applications. However, with many of these products now exceeding 20 years since obsolescence, it is becoming increasingly difficult to offer the level of support you expect from Edwards as the OEM service provider. We will be reducing the level of service support for the early generation products in 2015, and will cease all support by 2018.

## Why Upgrade a Working Pump?

The key benefits from upgrading to one of the latest generation STP series products are:

- Resetting the service support clock to enjoy many more years product and service support from Edwards
- Improved uptime through improvements in product design such as thermal management and new coatings
- Enhanced pre-maintenance functions including self-diagnostic functionality, and advising of the need for routine maintenance which drastically reduces pump crash events
- Full digital control removing the need to pair controllers with pumps before installation
- Universal operation controllers for multiple pump types, reducing the number of back-up units required

## STP Upgrades Solutions

To help manage the transition to newer STP turbo pump products, we have developed a series of upgrade solutions. The upgrade solutions consist of new turbo pump, controller and conversion kits to manage fitment to the tool. In addition to the pump upgrade hardware, we can also provide on-site engineering and pump audit services to support the transition process, including any elements of specialised engineering which may be required for non-standard tool fitment.

## Summary

Upgrading to the latest specification STP product offers multiple benefits to you and ensures continued operation of your legacy semiconductor tool for many more years to come.

Upgrade your STP Turbo pump today for enhanced diagnostics, improved uptime and long lasting OEM Support



Turbo Pump for Multiple applications



SCU 800 Universal controller

# STP Upgrades

## Upgrade Solutions Summary Table

Pump details		Upgrade Solution Summary				
Obsolete model	Upgrade model	Controller	Rack Mount Kit	Pump without TMS	Pump With TMS	TMS connection Kit
STP-2001 (P020) series	STP-A2203 (P041) series	SCU-1600	YES	YES	NO	NO
STP-H600/H1000 (P017) series	STP-A803/A1303 (P036) series	SCU-800	YES	NO	YES	YES
STP-H2000 (P019) series	STP-A2203 (P041) series	SCU-1600	YES	No	YES	YES
STP-600/1000 (P013) series	STP-603/1003 (P039) series	SCU-800	YES	YES	NO	NO
STP-H200/H300 (P010) series	STP-H301/H451 (P034) series	SCU-800	YES	YES	NO	NO
STP-200/300/400 (P001) series	STP-301/451 (P021) series	SCU-350	YES	YES	NO	NO
STP-H2001 (P023) series	STP-A2203 (P041) series	SCU-1600	YES	NO	YES	YES
STP-A2202 (P037) series	STP-A2203 (P041) series	SCU-1600	YES	NO	YES	YES
STP-H2002 (P028) series	STP-A2203 (P041) series	SCU-1600	YES	NO	YES	YES
STP-H1301 (P027) series	STP-A1303 (P036) series	SCU-800	NO	NO	YES	YES
STP-H751 (P026) series	STP-A803 (P036) series	SCU-800	NO	NO	YES	YES

TMS = Thermal management system to maintain optimum pump temperature for improved pump operation and stability on specified applications.

Note: Service support for all products listed in the obsolete model list will be reduced to basic level from January 2015 (only basic service using bearing kits and seals - no rotor/shaft replacements available). Service support will cease entirely on these products by 2018.

## Contacts:

For more details on how to upgrade your STP turbo pump please contact your local Edwards representative.

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