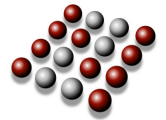


# Technical Capabilities Summary



**norcottems**  
Electronic Manufacturing Services

## SMT Line

### Key Parameters

**Placements :** 3,000,000 per month (typical component mix)  
**Maximum PCB size :** 504mm x 450mm  
**Component Handling :** 0402 to 50mm<sup>2</sup>  
SSOP, TSOP and QFP to 0.3mm lead pitch  
BGA,  $\mu$ BGA, CSP and QFN leadless packages

### Preparation

Baking facilities for QFP, BGA devices and special laminates  
Lead frame straightening and re-balling

### Screenprint

**DEK 248 Semi Automatic Screen Printer**  
Placement DEK II vision alignment

### Placement

**Siemens Siplace 80S 20**  
**Capacity :** 80 x 8mm feeders  
**Placement Rate :** 20,000 components per hour  
**Alignment :** Full optical fiducial correction and component centering

### Europlacer Access 4

**Capacity :** 99 x 8mm tape feeders plus JEDEC trays  
**Placement Rate :** 2,500 components per hour  
**Alignment :** Fiducial correction and optical component centering  
**Special Handling :** Custom loose/short strip component handling

### Reflow

**BTU VIP 70 5 Zone**  
Forced air convection  
Pin and belt combination with wide board capability (600m)

## PTH Line

### Preparation

**Wave Solder** Semi-automatic lead crop and forming

### ATF20/300 Flow solder Machine

## General

Spray fluxer

### Inspection

**Yestek Scanspection AOI**  
Automated Optical Inspection for component placement verification

**Vision Engineering Lynx**  
100% Visual Inspection to IPC-A-610 Class 3

### Environmental

**HP X-Ray System**



IPC-A-610  
KM 96951

## Contact Details

### Norcott EMS Limited

Brookfield House  
Tarpoley Road  
Norcott Brook  
Cheshire  
WA4 4EA  
UK

### Sales Contact:

**Martin Baker**  
Technical Sales Manager  
**Email:** sales@norcottems.co.uk  
**Tel:** +44 (0) 1925 247600  
**Fax:** +44 (0) 1925 247610

[www.norcottems.co.uk](http://www.norcottems.co.uk)