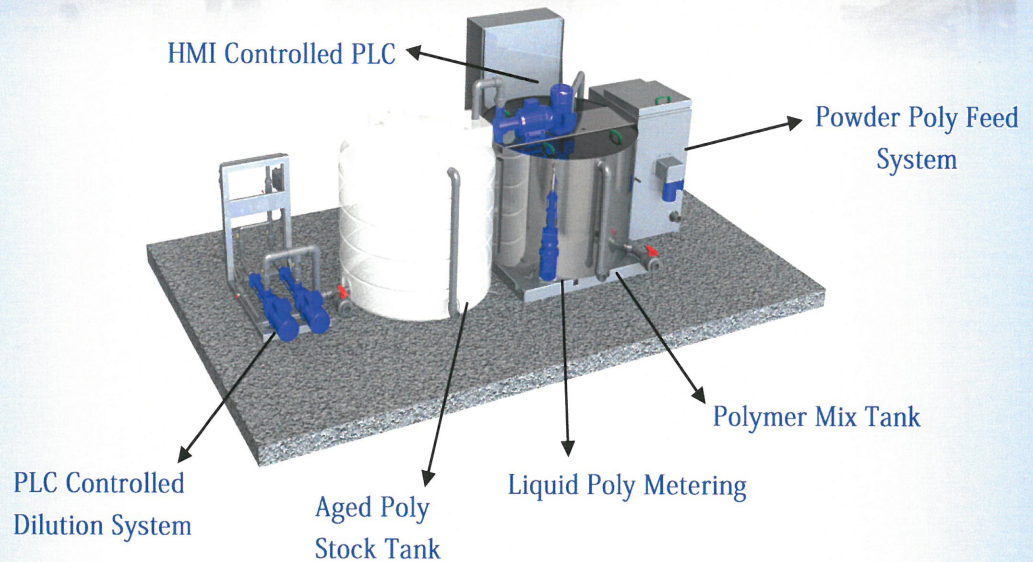


# Solids Technology Polymer Preparation Systems



*Automatic Polymer Systems for maximum results  
at minimum polymer dose rates*



## Kent Stainless Ltd Solids Technology

Ardcavan, Wexford, Y35 CRW2, Ireland

TEL NO + 353 53 914 3216

UK FREEPHONE 0800 376 8377

FAX + 353 53 914 1802

WEB [www.solidstechnology.com](http://www.solidstechnology.com)

EMAIL [info@solidstechnology.com](mailto:info@solidstechnology.com)



# STI Polymer Preparation System

Solids Technology Polymer Preparation are tailored to clients' exact requirements and are designed to suit a wide range of capacities and needs of the customer.

Polymer is a critical element of the belt filter dewatering process. These Polymer Preparation Systems are for use with liquid emulsion or Powder polymers or both. The polymer can be manually or automatically loaded, depending on the specification requirements. The Polymer Preparation Systems come complete with various features and instrumentation to give immediate feedback for troubleshooting.

**Features:**

- Powder Polymer: Powder Polymer feed system with high efficiency venture educator wetting technology, complete with 50kg or 100kg hopper or 1000kg Big bag Polymer.
- Liquid/Emulsion Polymer: via Calibrated metering progressive cavity pump
- Mixing/Ageing Tank: Secondary mixing by PLC controller variable intensity mixer to optimize Polymer Solution, followed by agitation at low speed to age polymer efficiently.
- Stock Tank: For storage of aged polymer solution prior to usage.
- Dilution System: PLC controlled Polymer dilution for accurate concentration
- Polymer Dosing Options:
  - Manual: Multiport polymer injection in to sludge stream coupled with mechanical variable mixing device.
  - Automatic: PLC controlled motorized dynamic mixer/Polymer injection which allows dosing at higher concentrations.

Automatic Polymer System	Capacity	*Polymer Usage	**Potable water
	Mix Tank Volume (Litres)	up to Max at 0.50% (kg/hr)	With Header Tank (M <sup>3</sup> /hr)
APS1000	1000	8	5
APS1500	1500	11	7.5
APS2000	2000	15	10
APS2500	2500	19	12.5

\*Max make up strength of 0.5% is recommended

\*\* Potable water must be used for polymer make up at 2 bar

**Benefits of Solids Polymer Preparation System**

- Solids Polymer Preparation Systems are tailored to clients' exact requirement
- Ground level Powder Poly hopper for ease of polymer loading
- Modular design to allow for flexible layout/installation in existing or new plants
- Maximum results at minimum polymer dose rate
- Low maintenance costs
- Easy installation
- CE marked



**Kent Stainless Ltd  
Solids Technology**

Ardcavan, Wexford, Y35 CRW2, Ireland

TEL NO + 353 53 914 3216

UK FREEPHONE 0800 376 8377

FAX + 353 53 914 1802

WEB [www.solidstechnology.com](http://www.solidstechnology.com)

EMAIL [info@solidstechnology.com](mailto:info@solidstechnology.com)