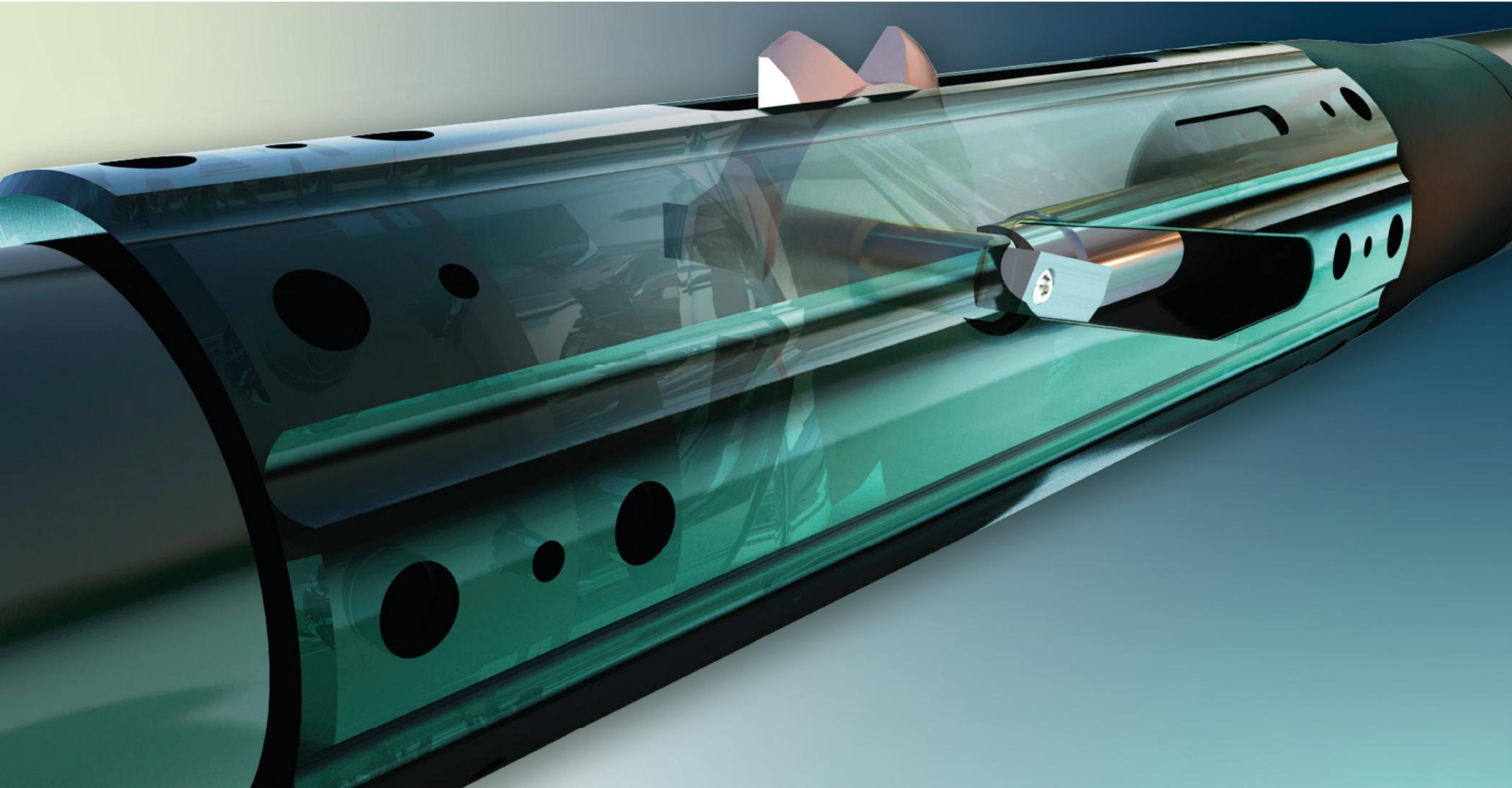


# X-treme SJI™

Multi-purpose mechanical slotting system



X-treme Slot Jet Isolate (SJI™) is a patent pending multi-purpose mechanical slotting system designed to improve the overall efficiency of decommissioning projects.

X-treme SJI™ system optimises the conventional methods for the P&A of wells. To improve efficiencies, reduce costs and exposure in the Plug and Abandonment (P&A) market the X-treme SJI™ tool has been developed to overcome the existing challenges with the incumbent methods.

X-treme SJI™ is designed to run in the well to the desired depth and initially slot the casing whilst jetting the slots at the same time cleaning up the outside of the casing. Once the casing has been suitably slotted and cleaned the tool can then fully wash the casing and place the isolation material both outside and inside the casing to create the complete P&A barrier.

## X-treme SJI™ can be deployed in 3 main ways:

### Pipe Conveyed

Slotting Bi-directionally  
Derrick or Snubbing Unit  
Cement unit or rig pumps

### Coil Tubing

Slotting upwards  
Rig, Snubbing unit or Boat  
Cement unit & mud pumps

### Wire Deployed

Slotting upwards  
Rig, snubbing unit or Boat  
Crane, spools & pump units  
(relatively low pressure)

[titanenergies.co.uk/sji](http://titanenergies.co.uk/sji)

## X-treme SJI™ can carry out the following applications:

### SLOT JET ISOLATE

- Lower barrier above the reservoir
- 200ft barrier section
- Set bridge plug
- Slot & jet casing
- Wash inside & outside casing
- Place isolation material
- Clean up well and test plug

### FORMATION INTEGRITY

- Slot casing shallow
- Slot casing deep
- Test formation integrity to relevant pressure
- Set bridge plug below lower

### ENVIRONMENTAL PLUG

- Slot casing shallow
- Slot casing deep
- Place cups across lower slots and circulate out fluid
- Set bridge plug below lower slots
- Place barrier inside casing

## X-treme SJI™ comprises of 3 main components:

**Slotting Tool:** Pierces slots in the casing

**Jetting Sub:** Closed system that jets, flushes, and cleans behind the casing circumferentially.

**Isolation Sub:** Allows isolation material to be forced into the slots and behind the casing providing a permanent barrier.

## Technical specification

Tool Size	Casing Size	Upper Connection	Lower Connection
380 SJI™	4 1/2"	2-7/8" PAC Box	N/A (Bullnose)
438 SJI™	5 1/2"	2 3/8" Reg Box	2 3/8" Reg Pin
578 SJI™	7" +	NC38 Box	NC38 Pin
738 SJI™	8 5/8"	NC46 Box	NC46 Pin
825 SJI™	9 5/8" +	NC50 Box	NC50 Pin
938 SJI™	10 3/4"	NC50 Box	NC50 Pin
1200 SJI™	13 3/8" +	6 5/8" Reg Box	6 5/8" Reg Pin

## Features

- Repeatably hydro-mechanical multi-use slotting, jetting, and isolation system
- Single trip system
- One bladed design to slot one casing string
- Large TFA per activation
- HPHT compliant
- Proven reliable execution method
- Variable blades depending on operation, provide slot or stand-off
- Key performance indicators at the surface during execution
- Slotted length/depth can be changed in the hole (no waiting for log interpretation)