

SOLAR InTex®



Inline saw damage etching and texturing

The InTex® system removes the surface damage induced by the sawing process and at the same time improves the light trapping into the cell by texturing the surface of the wafer. The InTex® series has set the standard for inline saw damage etching and texturing in the PV industry.

Areas of application

- Saw damage etching and texturing of solar cells
- Designed for multi- and monocrystalline wafers
- Wafer transfer systems available for automatic loading and unloading

Features and benefits

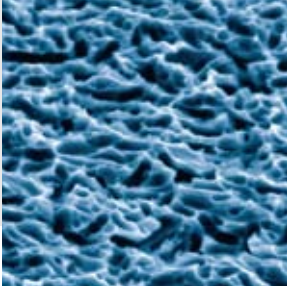
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| <ul style="list-style-type: none"> • Optimised total cost of ownership • Process proven on more than 20 GWp/year installed production capacity • Production and sales licence for the isotexture process • Optimised fluid dynamics for best process performance and homogeneity | <ul style="list-style-type: none"> • Straight line footprint • Technological leadership <ul style="list-style-type: none"> • Process start up by RENA • Proven process performance • Homogeneous textured surface • Best process yield |
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RENA
Production and
sales licence





Spray nozzle



Textured Surface (SEM)



Front view InTex®

Technical Data InTex®

InTex® HT	
Platform	<p>NIAK</p> <p>5 lanes for 156 mm wafers</p>
Process	Inline saw damage removal and texturing of solar cells
Dimensions	10200 x 2150 x 2350 mm (length x width x height)
Throughput	<p>3600 wafers/h gross *)</p> <p>wafer size 156 mm</p>
Wafer thickness	> 150 µm
Media consumption	<ul style="list-style-type: none"> • DI water 270 ml/wafer • Acid 8.5 ml/wafer

*) Tool with reduced throughput available upon request.