

GT Advanced Technologies and JYT Combine Expertise to Develop New Monocrystalline Solution

Revolutionary Production Method Continuously Feeds Polysilicon Material into Cz Pullers to Achieve Major Financial and Productivity Gains.

HUDSON, NH, May 29, 2019 - GT Advanced Technologies is pushing photovoltaic (PV) technology forward in a way that will provide significant productivity and cost advantages to the industry with the major commercial advancement of GT's continuous Czochralski (CCZ) technology. The Company has announced a licensing agreement with Beijing Jingyuntong Technology Co (JYT) to create a production solution which can significantly advance monocrystalline growth technology and continue to accelerate the use of monocrystalline materials in PV modules. The agreement allows JYT to adapt GT's CCZ feeder to its monocrystalline pullers and to develop and sell integrated solutions to the PV market.

The solution being developed by GT and JYT is revolutionary. For the first time, monocrystalline pullers will be able to operate continuously. The financial and productivity gains for the PV materials industry will be significant. Crystal growth productivity can be increased by approximately 25%, along with significantly reduced operating costs. Monocrystalline materials will be more plentiful and more affordable thanks to this new solution brought to market by two of the industry's leaders. Most significantly, the continuous-feed solution can be integrated into the large installed base of existing pullers in use today.

GT Advanced Technologies President and CEO Greg Knight commented on the licensing agreement and the market impact of the solution. "We are very pleased to be working with JYT, a recognized leader in PV crystal growth equipment and materials," said Knight. "Our two companies represent decades of crystal growth and equipment knowhow. Working together under this licensing agreement will result in an enormous win for the PV market as monocrystalline wafer adoption accelerates."

JYT Chairman and CEO Huanpei Feng said: "This continuous-feed technology gives us significant advantages in terms of increased productivity and reduced cost for our crystal pullers. We are very pleased to enter into this license agreement with GTAT because it represents a solution that will benefit the entire PV industry."

GT Advanced Technologies will be exhibiting at SNEC PV Power Expo, June 4-6, 2019 in Shanghai, China. Visit us at Stand N3-218.

ABOUT GT ADVANCED TECHNOLOGIES

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GTAT's advanced materials and crystalline growth expertise in silicon, silicon carbide and sapphire deliver sustained value to the world's top manufacturers in the global photovoltaics, power electronics and opto-electronics markets.

ABOUT JYT

JYT is a leader in the production of high-end equipment for the PV industry, including monocrystalline growth furnaces and multicrystalline silicon ingot furnaces.



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