

Levitech is a global player in production solutions for the IC and photovoltaic industries. Levitech was established in 2009 around its core product, the Levitor™ system. This system is based on a revolutionary patented technology and used in the semiconductor industry for Rapid Thermal Processing (RTP).

The defining feature of the Levitor technology is its ability to utilize high temperature gas to suspend the wafer during processing. As the wafer does not come into contact with the walls of the chamber, we say that the gas 'levitates' the wafer. Thus the names Levitech, Levitor and Levitrack are derived from the verb to levitate, defined as: to cause to rise in the air and float as if in defiance of gravity.

### The Levitor

The Levitor 4300 and Levitor 4200 are leading-edge 300mm and 200mm tools for advanced RTP processes. In addition to enabling time-temperature profiles and with unmatched insensitivity to emissivity variations, these systems are designed to achieve unparalleled inherent uniformity and repeatability with temperatures up to 1200°C.

The Levitor RTP system is based on the unique concept of fast heating via conduction rather than the conventional method of radiation. Heat (energy) is stored in two massive blocks in close proximity to the wafer, which is held separate from the blocks by a very thin layer of gas. This gas layer enables a very efficient and extremely fast energy transfer from the blocks to the wafer.

### The Levitrack

The Levitrack™ ALD system is based on the new concept of precursor separation in space, as opposed to time, in combination with the unique floating wafer and conductive heating technology used in the Levitor RTP products.



**Jaap Beijersbergen**  
CEO  
T: (+)31 36 5387 67 9  
E: info@levitech.nl



**Vladimir Kuznetsov**  
Director of Marketing  
T: (+)31 36 5387 67 9  
E: info@levitech.nl

Levitech 是IC和光伏产业生产方案的全球供应商。Levitech 成立于2009年，诞生于其革命性的专利技术--应用于半导体产业的快速热处理技术(RTP) 其核心产品是Levitor™系统。

Levitor 技术的定义性特征是它采用高温气体在生产过程中悬浮晶圆的功能。由于该技术能使晶圆不与炉壁接触，我们说气体悬浮 (Levitate) 晶圆。Levitate作为动词，意思是使其在空气中升起并漂浮的反重力现象。从该动词的派生出我们公司和产品命名Levitech, Levitor 和Levitrack。

### Levitor 快速热处理系统

Levitor 4300 he Levitor 4200系统是用于300mm 和200mm晶圆的先进快速热处理工艺的前沿设备。除了能产生时间-温度图，对发射率不均匀性的超强的不敏感性，该系统的设计目的还包括在高达1200°C的情况下实现无比的内部均匀性和重复性。

Levitor 快速热处理系统是基于其独特的通过传导快速升温的原理，而不是传统的辐射的方法。热能存储在两个大型的最大限度靠近晶圆的块状结构中，块状机构之间，有一层非常薄的气体悬浮晶圆。这层非常薄的气体能够把热量极其快速有效地从结构快传导到晶圆上。

### Levitrack 原子层沉积系统

Levitrack™ 原子层沉积系统是基于前驱体空间分隔的新理念，与靠时间分隔的原理不同，并与在Levitor快速热处理产品中采用的独特的晶圆悬浮工艺和热传导技术集成。

### Contact

**LEVITECH**  
Versterkerstraat 10  
1322 AP, Almere  
Netherlands

T: (+)31 36 538 76 79  
E: info@levitech.nl

W: [www.levitech.nl](http://www.levitech.nl)