

Consolidated List of Technologies in Pipeline

Sr. No.	Name of the Spin-off Technology	Stage of Commercialization
1.	Solid state RF power amplifier operating at 70MHz to 80MHz / FM band 88 MHz -108 MHz, 1000W@50 Ohm load	In the process of Transfer
2.	Power supplies of various specifications	Under Field Testing
3.	Universal vacuum gauge controller	Under Field Testing
4.	Dual pulse shape discriminator	Under Field Testing
5.	Plasma source for surface modification, cleaning and Sterilization.	Under Field Testing
6.	High power, waveguide type microwave dummy load	Under Field Testing
7.	Ion beam micromachining system using RF ion source.	Under Field Testing
8.	High Current RF Ion Source.	Under Field Testing
9.	Tungsten field electron emitters and its fabrication setup.	Under Field Testing
10.	Ozone generator	Under Field Testing
11.	2.4 GHz, 6.4 GHz, 14.4 GHz, 18 GHz ECR ion sources.	Under Field Testing
12.	Thin film deposition system by magnetron discharge.	Under Field Testing
13.	Ion beam sputtered thin film deposition system	Under Field Testing
14.	GEM detector for high energy physics experiment and X-ray imaging:	Under Field Testing
15.	Large area single-gap and multi-gap resistive plate chambers for high energy physics experiment and other applications	Under Field Testing
16.	Low temperature Refrigeration Machine for Diffusion Pump Baffle cooling	Under Field Testing
17.	Inductively tuned common source Low Noise Amplifier (LNA)	Under Field Testing
18.	Helium Gas Purification System - For Batch Process technology is available. Continuous purification process is feasible.	Under Field Testing
19.	Oil removal system for compressed gas like helium, air etc.	Under Field Testing
20.	Liquid Nitrogen and Liquid Helium level sensors.	Under Field Testing
21.	Calibration setup for cryogenic temperature sensors from 2.2 K to 325 K.	Under Field Testing
22.	Network capable programmable smart transducers for any sensors and actuators.	Under Field Testing
23.	Optical sensor for spectroscopic trace level impurity detection in any process system - like moisture, Carbon dioxide, carbon monoxide, oxides of Nitrogen, and oxides of Sulphur etc.	Under Field Testing
24.	Liquid cryogen Dewar pressure control system	Under Field Testing
25.	SMS alert system for PLC based control	Under Field Testing