Grant Received (since 2000, PI as otherwise specified)

01/13-12/14	Development of Measuring Instrument for Machine Tool Alignment, awarded by 3DFamily Co., 2,000,000 (PI)
01/13-12/14	Application of Measuring Instrument for Machine Tool Alignment, awarded by Chevalier Co., 1,500,000 (PI)
01/13-12/13	Fundamental Researches on Precision Machining and Measurement, awarded by NSC, 12,000,000. (Co-PI).
01/13-12/15	Development of Super-resolution Optical measurement Technologies, awarded by NSC-Russia Cooperation Program, NT$ 2,700,000.
08/11-07/14	Calibration of Micro-CMM and Development of Multi-probe System, awarded by NSC, NT$ 5,453,000.
12/11-11/12	Development of a nano-positioning planar motion stage, awarded by NSC I/U Cooperation Program, NT$ 4,767,600. (Co-PI)
04/11-12/12	Accuracy Testings of Next Generation machine Tools, awarded by six machine tool companies, NT$ 1,890,000.
04/12-09/12	Machine Tool Chatter Suppression, awarded by ITRI, NT$ 400,000.
08/11-07/12	Accuracy Calibration and Multi-probe System Integration on Micro-CMM, awarded by NSC, NT$ 1,806,000.
01/11-08/11	Cumulative-lead Error Measurement for Ballscrew Nut, awarded by Hiwin Co., NT$ 1,870,000.
08/08-07/11	Research on the High Precision Nanometer Level Micro Coordinate Measuring Machine and Machine Tool, awarded by NSC, NT$ 5,309,000.
08/08-07/11	Prognosis of the Accuracy Degradation of Precision Machine Tool, awarded by NSC, NT$ 2,075,000
05/09-04/10	Development of High Precision Worktables for Automatic Optical Inspection, NSC I/U Cooperation Program, NT$ 4,401,620.
12/09-11/10	Development of a nano-positioning planar motion stage, NSC I/U Cooperation Program, NT$ 4,316,000. (Co-PI)
08/0-09/10	Substrate Bonding Module for LCM, Wise Pioneer Co., NT$ 3,000,000.
8/05-07/08	Development of Active Mini Environment, awarded by NSC, NT$ 2,434,000
8/03-07/08	Development NxN Optical switches, awarded by NSC, NT$ 12,000,300
1/06-11/07	Artificial Skin Sensing and Intelligent System, awarded by ITRI, NT$20,000,000
3/07-10/07	Machine Tool accuracy degradation analysis, awarded by ITRI, NT$ 300,000.
2/07-09/07	Development of a Database for A^+ Class Machine Tool Thermal Error Measurement, awarded by ITRI, NT$500,000
1/06-12/07	Development of One Drop Fill Technology, awarded by CSIST, NT$ 2,462,800
3/07-7/07	Patent Search of High Class Injection Machine, awarded by Hua Zong Co., NT$ 900,000

1/07-12/07	Positioning control of large AOI stage, awarded by Hiwin Co., NT$1,288,000
8/03 – 7/06	Development of a co-planar nano-stage, awarded by NSC, NT$ 1,715,200
6/03 – 5/04	A fast micro 3D scanning system, awarded by NSC and 3D Family Co., NT$462,200.
1/04 -12/06	Key technologies and principles on nano 3D measurements, awarded by NNSF of China, RMB$900,000.
1/03-12/05	Development of an Innovative High Speed Autofocusing Probe for Nano Dimensional Measurement, awarded by National Natural Science Foundation of China, RMB$ 280,000.
1/02-12/05	Development of a Nano-CMM, awarded by the Ministry of Education of China, RMB$ 1,000,000.
8/02-7/03	Development of Key Micro/Nano Technologies for Optical Switching Components and System awarded by National Science Council, $6,900,000.
4/02-11/02	Thermal Compensation Technique for a Serial-parallel 3-PRS Machine Tool, $500,000.
4/02-11/02	On the Colour Images Based Surface Defects Classification Methodology, awarded by MIRL/ITRI, $500,000.
8/01-7/03	Development of a 3D Surface Profile Precision Measurement System for BGA, awarded by National Science Council, $2,376,00.
8/99-7/00	Development of a Powder Warming Compacting Machine, awarded by Lenco Co., $702,765.
8/99-12/00	Development of Integrated Automatic Calibration Techniques for Large 3D Coordinate Measurement Machines, awarded by Ministry of Defense, $1,000,000.
8/98-7/01	Development of an Intelligent Measurement and Reverse Engineering System (Integrated Project), awarded by National Science Council, $4,176,550.
8/98-7/01	Development of an Intelligent Measurement and Reverse Engineering System, Suproject 3: Flexible Measurement and Reverse Engineering System, awarded by National Science Council, $1,266,600.
8/98-7/01	Development of a Micro-CMM for Nanometrology (Integrated Project), awarded by National Science Council, $4,176,550.
8/98-7/01	Development of a Micro-CMM for Nanometrology, Subproject 2: Development of the Ultra Precision Touch Trig Probe and the Measurement Software, awarded by National Science Council, $1,225,200.
7/98-6/00	3D High Speed Non-Contact Image Based Measurement System for Reverse Engineering Applications in Injection Moulding Manufacturing Industry, warded by MOEA, $6,179,800.
7/98-6/00	Development of an Optical Laser Autofocusing Probe for Profile Measurement, awarded by CMS/ITRI, $1,100,000.
8/98-7/00	Development of a Non-Contact Grinding Wheel Wear Measurement and Compensation System for Precision Grinding Machines, awarded by Ministry of Defense, $2,012,900.