

**Mazak Foundation**  
**Application for Research Grant and Dissertation Award**  
**Fiscal Year 2018**

1. Purpose of Establishment

The purpose of the Mazak foundation is to contribute to the advancement of the world machinery industry by providing grants to individuals, universities, and research institutions in Japan and other countries. Grants will be provided for the following areas of research related to advanced production systems:

information-network technologies, production engineering to create and operate production systems, peripheral equipment such as material handling equipment or robots and technologies related to their control, material technologies such as tooling or work materials, processing technologies by machine tools, and machine element technologies and control technologies of machine tools.

2. Objectives

Some representative examples of fields of research:

- Control technologies or machine element technologies for high precision or high speed machine operation.
- Material technologies such as tooling or work materials to contribute to processing technologies to improve machine tool performance.
- Control technologies or machine element technologies which contribute to improve flexibility, efficiency, or acceleration of equipment, required for the establishment of production systems incorporating material handling equipment or robots.
- Information-network technologies or operation technologies for the creation or operation of production systems

Based on the fields as described above, the following categories are subjects of grants:

- Research and development
- Research of technical applications
- Study of technical trends
- Holding an International Conference for technology exchange
- Other activities to achieve the foundation objectives

3. Contents of grant and dissertation award

<Research Development grant>

Research Development Assistance Grants: ¥500,000~¥2,000,000(each)

International Conference Assistance Grants: ¥300,000~¥500,000(each)

<Dissertation award>

Recipient will be presented with a ¥100,000~¥200,000 award at the awards ceremony

#### 4. Application Procedure

- (1) Fill in the appropriate information in the Mazak Foundation application form.
- (2) Submit the application with a letter of recommendation from the head of your department or institution.
- (3) The address of Mazak Foundation office for applications and inquiries is shown below.
- (4) The application form will be accepted starting from September, but must reach the Mazak Foundation no later than 30<sup>th</sup> November.

#### 5. Documents to be submitted

##### 《Research Development Assistance Grants》

- Mazak Foundation grant application form (A-4 size)
- Research outline:  
Briefly describe your research, and outline its unique features, feasibility (or viability), technological value (or industrial value) in a page of approximately 500 words.
- Research plan:  
Summarize the plan in 2 pages specifically describing how research will be conducted and how the grant is to be spent.
- CV of applicant  
Applicant must be the main researcher of the project.
- Please provide a list of previously public research topics, papers, and theses as reference material

Submit one copy of each document listed above in A4 size

##### 《International Conference Assistance Grant》

- Mazak Foundation grant application form (A-4 size)
- Conference plan Note: Conference shall be held in next fiscal year.
- CV of applicant

Submit one copy of each document listed above in A4 size

##### 《Dissertation award》

- Mazak Foundation research paper award application form (A-4 size)
- Research paper  
(Copies already published in academic journals as well as copies of the reviewed proceeding not yet published)
- Overview of research paper
- CV of applicant

Submit one copy of each document listed above in A4 size

## 6. Selection and Notification of Acceptance

After the examination of the Mazak Foundation judging committee, the Chairman of the Board of Directors will announce the results in March 2019.

## 7. Presenting the grant and the dissertation award

These will be provided on the day following the “Announcement of Mazak Advanced Production Systems Research Grantees and Mazak Advanced Production Systems Distinguished Research Dissertation Award Ceremony”. (It is normally held in May every year.)

## 8. Reporting and Publication of Results

Grantees shall submit the progress or results of their research to the Chairman of the Board Directors of the Mazak Foundation by the end of March next year in a report. Upon publishing the research results, grantees shall denote “by Grants of the Mazak Foundation”.

## 9. Mazak Foundation Address

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