

MIRA INFORM REPORT

Report No. :	524197
Report Date :	11.08.2018

IDENTIFICATION DETAILS

Name :	THK CO LTD
Registered Office :	2-12-10 Shibaura Minatoku Tokyo 108-0023
Country :	Japan
Financials (as on) :	31.12.2017
Date of Incorporation :	April 1971
Com. Reg. No.:	0107-01-006176
Legal Form :	Limited Company
Line of Business :	Manufactures linear motion systems (e.g. LM guide & ball spline), ball screw, XY tables, link balls & rod ends, seismic isolation devices other
No. of Employees :	3,581

RATING & COMMENTS

(Mira Inform has adopted New Rating mechanism w.e.f. 23rd January 2017)

MIRA's Rating :	A+
------------------------	----

Credit Rating	Explanation	Rating Comments
A+	Low Risk	Business dealings permissible with low risk of default

Status :	Good
Payment Behaviour :	Regular
Litigation :	Clear

NOTES :

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

Any query related to this report can be made on e-mail : infodept@mirainform.com while quoting report number, name and date.

ECGC Country Risk Classification List

Country Name	Previous Rating (31.12.2017)	Current Rating (01.04.2018)
Japan	A1	A1

Risk Category	ECGC Classification
Insignificant	A1
Low Risk	A2
Moderately Low Risk	B1
Moderate Risk	B2
Moderately High Risk	C1
High Risk	C2
Very High Risk	D

JAPAN - ECONOMIC OVERVIEW

Over the past 70 years, government-industry cooperation, a strong work ethic, mastery of high technology, and a comparatively small defense allocation (slightly less than 1% of GDP) have helped Japan develop an advanced economy. Two notable characteristics of the post-World War II economy were the close interlocking structures of manufacturers, suppliers, and distributors, known as keiretsu, and the guarantee of lifetime employment for a substantial portion of the urban labor force. Both features have significantly eroded under the dual pressures of global competition and domestic demographic change.

Measured on a purchasing power parity basis that adjusts for price differences, Japan in 2017 stood as the fourth-largest economy in the world after first-place China, which surpassed Japan in 2001, and third-place India, which edged out Japan in 2012. For three postwar decades, overall real economic growth was impressive - averaging 10% in the 1960s, 5% in the 1970s, and 4% in the 1980s. Growth slowed markedly in the 1990s, averaging just 1.7%, largely because of the aftereffects of inefficient investment and the collapse of an asset price bubble in the late 1980s, which resulted in several years of economic stagnation as firms sought to reduce excess debt, capital, and labor. Modest economic growth continued after 2000, but the economy has fallen into recession four times since 2008.

Japan enjoyed an uptick in growth since 2013, supported by Prime Minister Shinzo ABE's "Three Arrows" economic revitalization agenda - dubbed "Abenomics" - of monetary easing, "flexible" fiscal policy, and structural reform. Led by the Bank of Japan's aggressive monetary easing, Japan is making modest progress in ending deflation, but demographic decline - a low birthrate and an aging, shrinking population - poses a major long-term challenge for the economy. The government currently faces the quandary of balancing its efforts to stimulate growth and institute economic reforms with the need to address its sizable public debt, which stands at 235% of GDP. To help raise government revenue, Japan adopted legislation in 2012 to gradually raise the consumption tax rate. However, the first such increase, in April 2014, led to a sharp contraction, so Prime Minister ABE has twice postponed the next increase, which is now scheduled for October 2019. Structural reforms to unlock productivity are seen as central to strengthening the economy in the long-run.

Scarce in critical natural resources, Japan has long been dependent on imported energy and raw materials. After the complete shutdown of Japan's nuclear reactors following the earthquake and tsunami disaster in 2011, Japan's industrial sector has become even more dependent than before on imported fossil fuels. However, ABE's government is seeking to restart nuclear power plants that meet strict new safety standards and is emphasizing nuclear energy's importance as a base-load electricity source. In August 2015, Japan successfully restarted one nuclear reactor at the Sendai Nuclear Power Plant in Kagoshima prefecture, and several other reactors around the country have since resumed operations; however, opposition from local governments has delayed several more restarts that remain pending. Reforms of the electricity and gas sectors, including full liberalization of Japan's energy market in April 2016 and gas market in April 2017, constitute an important part of Prime Minister Abe's economic program.

Under the Abe Administration, Japan's government sought to open the country's economy to greater foreign competition and create new export opportunities for Japanese businesses, including by joining 11 trading partners in the Trans-Pacific Partnership (TPP). Japan became the first country to ratify the TPP in December 2016, but the United States signaled its withdrawal from the agreement in January 2017. In November 2017 the remaining 11 countries agreed on the core elements of a modified agreement, which they renamed the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP). Japan also reached agreement with the European Union on an Economic Partnership Agreement in July 2017, and is likely seek to ratify both agreements in the Diet this year.

Source : CIA

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

COMPANY SUMMARY

THK CO LTD

REGD NAME: THK KK

MAIN OFFICE: 2-12-10 Shibaura Minatoku Tokyo 108-0023 JAPAN

Tel: 03-5730-3911 Fax: 03-5730-3915

*.. Moved to the caption address in Oct/2017 from the one as given

URL: <http://www.thk.co.jp>

E-Mail address: info@thk.co.jp

ACTIVITIES: Mfg of linear motion systems

BRANCHES: Osaka, Nagoya, Yamagata, Mie, Gifu, Yamaguchi, other (Tot 40)

OVERSEAS: USA (6), Europe (11), China (31), Korea (14), Asia, other (Tot 79 offices)

FACTORIES: Yamagata, Sendai, Niigata, Fukushima, Mishima, Kofu, Gifu, Mie, Yamaguchi,
Shizuoka, Oita (Tot 11);

USA (2), Mexico, Canada, Germany, France, Ireland, Czech, China (5), Korea (3),
Malaysia, Thailand, Vietnam (Tot 19)

CHIEF EXEC: AKIHIRO TERAMACHI, PRES

Yen Amount: In million Yen, unless otherwise stated

SUMMARY:	FINANCES	FAIR	A/SALES	Yen 286,603 M
	PAYMENTS	REGULAR	CAPITAL	Yen 34,606 M
	TREND	UP	WORTH	Yen 270,948 M
	STARTED	1971	EMPLOYES	3,581

COMMENT

MFR OF LINEAR MOTION SYSTEMS

FINANCIAL SITUATION COSIDERED FAIR AND GOOD FOR ORDINARY BUSINESS ENGAGEMENTS.

HIGHLIGHTS

This is a world's leading linear motion device mfr. Hiroshi Teramachi, a founder of Nippon Thomson, retired from Thompson and established the company in 1971. A global pioneer in the production of linear motion devices, such as linear guides & ball screws. Its products are mainly used in semiconductor mfg equipment & machine tools. Also focusing on the development of unit-type linear motion devices. Acquired Rhythm Corp (current name THK Rhythm), an automotive component mfr formally affiliated with Nissan Motor Co Ltd, in 2007, to boost its

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

business for the automobile industry. Purchased an automotive components business handling such as linkages & suspensions from TRW Automotive Inc of the US in 2015.

FINANCIAL INFORMATION

The sales volume for Dec/2017 fiscal term amounted to Yen 286,603 million, a 4.76% up from Yen 273,577 million in the previous term. The recurring profit was posted at Yen 31,254 million and the net profit at Yen 25,729 million, respectively, compared with Yen 23,398 million recurring profit and Yen 16,731 million net profit, respectively, a year ago.

For the current term ending Dec 2018 the recurring profit is projected at Yen 46,900 million and the net profit at Yen 34,100 million, respectively, on a 22.12% rise in turnover, to Yen 350,000 million.

The financial situation is considered FAIR and good for ORDINARY business engagements.

REGISTRATION

Date Registered: Apr 1971
Regd No.: 0107-01-006176 (Tokyo-Shinagawaku)
Legal Status: Limited Company (Kabushiki Kaisha)
Authorized: 467,877,700 shares
Issued: 133,856,903 shares
Sum: Yen 34,606 million

Major shareholders (%): Japan Trustee Services T (8.2), Master Trust Bank of Japan T (5.9), Company's Treasury Stock (5.4), JP Morgan Chase Bank 385632 (3.2), Akihiro Teramachi (2.6), FTC Co (2.0), Government of Norway (2.0), Japan Trustee Services T5 (1.7), Northern Trust (AVFC) Re SSD00 (1.7), Chase Manhattan GTS Escrow (1.5); foreign owners (46.0)

No. of shareholders: 16,730

Listed on the S/Exchange (s) of: Tokyo

Managements: Akihiro Teramachi, pres; Toshihiro Teramachi, v pres; Hiroshi Konno, v pres; Nobuyuki Maki, s/mgn dir; Takeshi Teramachi, s/mgn dir; Junji Shimomaki, mgn dir; Jun'ichi Sakai, dir; Masaaki Kaisho, dir; Masakatsu Hioki, dir; Tomitoshi Omura, dir; Yoshiki Ueda, dir

Nothing detrimental is known as to the commercial morality of executives.

Related companies: THK America, THK Europe, other.

OPERATION

Activities: Manufactures linear motion systems (e.g. LM guide & ball spline), ball screw, XY tables, link balls & rod ends, seismic isolation devices other (--100%):

LM system: Japan (37%), US (23%), Europe 20%), China (14%), others (6%)

Overseas Sales Ratio (60%)

Clients: [Mfrs, wholesalers] Daido Corp, THK, Yamazen Corp, Mimasu THK, Takatsu Corp, Disco Corp, THK America, Ueno Kogyo Corp, other

No. of accounts: 1,000

Domestic areas of activities: Nationwide

Suppliers: [Mfrs, wholesalers] Koyo Giken Co, Toyota Tsusho Corp, Netsuren Co, Nose Seiko, Sanko Mfg, Kokoku Intech Co, Suzuhide Kogyo, Yamato Special Steel, Allied Material, other

Payment record: Regular

Location: Business area in Tokyo. Office premises at the caption address are leased and maintained satisfactorily.

Bank References:

Mizuho Bank (Shinjuku)
MUFG (Toranomom-Chuo)
Relations: Satisfactory

FINANCES

(In Million Yen)

Terms Ending:	31/12/2018	31/12/2017	31/12/2016	31/12/2015
Annual Sales	350,000	286,603	273,577	240,478
Recur. Profit	46,900	31,254	23,398	19,140
Net Profit	34,100	25,729	16,731	13,575
Total Assets		436,664	414,931	407,808
Current Assets		270,975	259,827	248,858
Current Liabs		93,195	80,880	59,572
Net Worth		270,948	248,940	247,348
Capital, Paid-Up		34,606	34,606	34,606
Div.P.Share(¥)		62.00	41.00	50.00
<Analytical Data>	(%)	(%)	(%)	(%)
S.Growth Rate	22.12	4.76	13.76	10.47

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

THK CO LTD - 524197

PAGE NO. : 7

Current Ratio	..	290.76	321.25	417.74
N.Worth Ratio	..	62.05	60.00	60.65
R.Profit/Sales	13.40	10.90	8.55	7.96
N.Profit/Sales	9.74	8.98	6.12	5.65
Return On Equity	..	9.50	6.72	5.49

Notes: Forecast (or estimated) figures for the 31/12/2018 fiscal term.

FOREIGN EXCHANGE RATES

Currency	Unit	Indian Rupees
US Dollar	1	INR 68.95
UK Pound	1	INR 88.19
Euro	1	INR 78.99
Yen	1	INR 0.62

Note : Above are approximate rates obtained from sources believed to be correct

INFORMATION DETAILS

Analysis Done by :	DIV
Report Prepared by :	TRU

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.

RATING EXPLANATIONS

Credit Rating	Explanation	Rating Comments
A++	Minimum Risk	Business dealings permissible with minimum risk of default
A+	Low Risk	Business dealings permissible with low risk of default
A	Acceptable Risk	Business dealings permissible with moderate risk of default
B	Medium Risk	Business dealings permissible on a regular monitoring basis
C	Medium High Risk	Business dealings permissible preferably on secured basis
D	High Risk	Business dealing not recommended or on secured terms only
NB	New Business	No recommendation can be done due to business in infancy stage
NT	No Trace	No recommendation can be done as the business is not traceable

NB is stated where there is insufficient information to facilitate rating. However, it is not to be considered as unfavourable.

This score serves as a reference to assess SC's credit risk and to set the amount of credit to be extended. It is calculated from a composite of weighted scores obtained from each of the major sections of this report. The assessed factors are as follows:

- Financial condition covering various ratios
- Company background and operations size
- Promoters / Management background
- Payment record
- Litigation against the subject
- Industry scenario / competitor analysis
- Supplier / Customer / Banker review (wherever available)

DISCLAIMER : This Report is **PRIVATE & CONFIDENTIAL** and it is prepared at the request of and for its use by the Subscriber only. The Subscriber shall use the contents of the Report merely as an aid to its business. Mira Inform Private Limited ("MIPL") has collated information/data in the Report, which have not been verified unless otherwise specifically mentioned in the Report. The Subscriber shall independently verify the accuracy and correctness of the information/data before in any way acting upon the same. MIPL shall not be liable for any harm, injury, loss or damage caused to the Subscriber due to default by the Subscriber's debtors/beneficiaries in fulfilling their obligations of any nature whatsoever. This Report or any of its portion shall not be used as a documentary evidence or otherwise before any investigative agencies or forum of law. This Report is confidential and proprietary to MIPL. The Subscriber and/or any other person(s) may not reproduce, publish or disclose any of the contents of the Report to others without the express authorization of MIPL. This Report is prepared and issued to the Subscriber without any risk, responsibility or liability on the part of MIPL or its officials.