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CONFIDENTIAL

DEPARTMENT OF JUSTICE  
WAR DIVISION  
ECONOMIC WARFARE SECTION

REPORT ON  
PURCHASES OF AMERICAN MACHINE TOOLS BY  
CHUO KOGYO K.K.  
(CENTRAL INDUSTRIAL CO.)

December 16, 1943

Submitted by: Harvey B. Storch  
Department of Commerce  
Bureau of Foreign and Domestic Commerce  
New York, N. Y.

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Economic Warfare Section  
War Division  
Department of Justice  
Washington, D. C.

Confidential Report

December 14, 1943

Re: Purchases of American Machine  
Tools by Chuo Kogyo K.K.  
(Central Industrial Co.)

Submitted by: Harvey B. Storch  
Department of Commerce  
Bureau of Foreign and Domestic  
Commerce  
New York, New York

Chuo Kogyo K.K.  
(Central Industrial Co.)

#### I. Introduction:

Chuo Kogyo K.K. (Central Industrial Co.) also known as Showa Seisakusho was established in 1928 with a capitalization of 1,000,000 yen by Okura and Company.

The main products manufactured by Chuo Kogyo, K. . include aircraft and armament parts, general ordnance, machine guns, generator motors, for aircraft and link trainers. Most of the work is done for Army and Navy arsenals and Army flying schools.

In 1937 the company was greatly expanded for war production. Its capitalization was increased to 10,000,000 yen and several new plants were built. The factories are located as follows:

1. Tokio, Omori ku, Tsutsumihata machi, 23?
2. Tokio, Oji ku Inatsuki, Nishi machi, 5 chome 1
3. Tokio Prefecture Kita Tamá gun, Kokubunji Mura Honda Shinden
4. Saitema prefecture, Kita Adachi gun Niikura Mura Matsu kago, 4500

During the period from January 1, 1937 to the beginning of 1941 Chuo Kogyo K. . placed a small number of orders for machine tools in the United States. All of these transactions were handled by Okura and Co. except a few orders which were placed through Mitsui and Co. Ltd.

During this period inquiries were also made in Germany and Great Britain. Some of these inquiries are included in the following tabulations. It is quite possible that a large number of machine tools were ordered from Germany and Great Britain in this period. This would explain the small amount of orders placed in the United States.

This report is one of a series being made after an examination of the files of the leading Japanese trading companies which are being held in a warehouse at 27 Cliff Street, New York, N.Y. by the Alien Property Custodian.

## II. Sources

Koku Nankan (Aviation Year Books 1937, 1938, 1939)

Teikoku Ginko Kaisha Yosoku (Directory of Banks and Companies of the Empire, November, 1940).

Both sources are quoted by John Williams, OEF in notes from which "A Directory of Certain Japanese Industrial Concerns" was prepared.

III. RECAPITULATION OF ORDERS FOR MACHINE TOOLS PURCHASED BY  
CHUO KOGYO, INC.

The following tables indicate the number and type of machine tools purchased by Chuo Kogyo, Inc. in the period from 1937 to 1941. No adjustment has been made for cancellations.

MILLING MACHINES

Cincinnati	11 No. 2 Universal Milling Machines
Cincinnati	1 No. 3 Universal Milling Machine
Kearney and Trecker	3 No. 1H Universal Milling Machines
Kearney and Trecker	3 No. 2H Universal Milling Machines
Gorton	1 8D Vertical Milling Machine
Gorton	1 8-1/2D Vertical Milling Machine

TOTAL: 20

GRINDERS

Thompson	3 Type BB 12"x10"x24" Surface Grinders
Thompson	3 Type A 18"x6" Surface Grinders
Norton	6 6"x18" Surface Grinders
Cincinnati	1 10"x36" Plain Grinder
Cincinnati	1 6"x30" Plain Grinder
Oliver	1 No. 510 Twist Drill Pointer
Oliver	1 No. 21 Bench Model Drill Pointer

TOTAL: 16

LATHES

Pratt and Whitney	1 12"x30" Model "B" Lathe
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TOTAL: 1

GENERATORS

Electric Equipment Co.	2 GC-150 Portable Engine Generators
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TOTAL: 2

IV.

OKURA ORDERS (Shipped)

Order No.	Date	Manufacturer	No.	Product	Price
11352	5/1/37	Electronic Equipment Corp.	2	GC-150 Portable engine generators	\$ 318.00
11747	9/6/38	Cincinnati	10	#2 Universal milling machine with 50-cycle motors	40,590.00
11184	1/29/37	Cincinnati	1	#3 Universal milling machine	8,450.94
			1	#2 Universal milling machine	
11185	1/29/37	Pratt & Whitney	1	12" x 30" Model "B" lathe with 50 cycle motor	5,072.00
S-500	2/14/40	Gorton	1	8D Vertical milling machine	4,539.00
			1	8-1/2 Vertical milling machine	
S-501	2/14/40	Oliver Instrument	1	#510 Electric Twist drill pointer	985.00
			1	#21 Bench model twist drill pointer	290.00
S-523	2/24/40	Thompson Grinder	1	Type BB 12" x 10" x 24" surface grinder with standard equipment	5,902.00
Add:	4/8/40	Thompson Grinder		Electrical equipment for above	80.57
S-524	2/21/40	Thompson Grinder	2	Type BB, 12" x 10" x 24" surface grinders	8,825.22
Add:	3/8/40	Thompson Grinder	2	Westinghouse Electric Motors	161.14

V.

CANCELLED OKURA ORDERS

Order No.	Date	Manufacturer	No.	Product	Price
S-515	2/26/40	Cincinnati	1	10" x 36" Plain grinding machine	\$ 7,841.00
Add:	3/21/40	Cincinnati	1	10 HP, 50 cycle motor	145.00
S-516	2/26/40	Cincinnati	1	6" x 30" Plain grinding machine	5,860.00
Add:	2/26/40	Westinghouse		Extra electrical equipment including 50 cycle motor	145.00
S-521	2/3/40	Thompson Grinder	3	Type "A", 18" x 6" hydraulic surface grinding machines	5,706.40
Add:	4/8/40	Thompson Grinder		Electrical equipment for above machine	257.61
11664	4/19/38	Bethlehem Steel	13	Tons Nickel chrome Steel round bars	

VI.

OKURA INQUIRIES

<u>Inquiry No.</u>	<u>Date</u>	<u>Manufacturer</u>	<u>No.</u>	<u>Product</u>
23316	9/19/39	Tinius Olsen Testing Machine Co.	1	Olson 50,000 kg. capacity hydraulic universal testing machine
22840	12/24/37	Cincinnati Milling Machine Co.	10	Cincinnati No. 1 vertical Milling machines
		Landis Machine Co.	10	Cincinnati No. 1 Universal Milling machines
			10	Cincinnati No. 2 Universal Milling machines
			5	Cincinnati No. 2 vertical high speed milling machines and special attachments
			2	Landis 10" x 24" Universal grinders
5044	10/16/40	Pratt and Whitney	1	2B Die sinker
22930	8/27/37	Archdale	1	Automatic Milling Machine
		Lang	3	Surfacing and Boring lathes
		Herbert	2	Fellows Gear Shapers
		Churchill	2	Grinding Machines
		----	1	Thread Grinder
		Selson	1	Patent Rapid Flanging Machine Model #1 Also - Drills, Rivetters, and Coil Winders
33163	12/11/36	Crawford Airplane Co.	2	Cyclo Planes



VII.

Berlin Inquiries

1. Letter from Berlin to Tokio, dated August 22, 1939 states that Chuo Kogyo placed an inquiry with Herbert Lindner Co. of Berlin, for 1 #15 Jig boring machine. Herbert Lindner was not able to quote for this business as the order for the machine had been already placed subject to Government permission between their Japanese representative and Chuo Kogyo.

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2. Letter from Berlin to Tokio, dated May 19, 1939, states that Chuo Kogyo made inquiries for the following machine tools from Messrs. Ioswe Oesfurel, Berlin:

- 1 Muzzle velocity measuring chronograph
- 1 Correcting machine for the straightness of barrel
- 1 Optical boresight for machine gun
- 1 Proving stand for machine gun firing test
- 1 Internal grinder for powder chamber of machine gun
- 1 Multiple gun-barrel internal lapping machine
- 1 Hydraulic broaching machine for rifle
  - dia: less than 10 mm
  - length: " " 800 mm
- 1 Multiple automatic high speed forging hammer
  - 50 mm sq. bar; 10 mm sq. bar.

3. Letter from Berlin to Tokio September 17, 1937 states bomb dropping gear ordered and received from Curt Heber Mechanische Werkstatte.

VIII.

CANCELLED MITSUI ORDERS

Order No.	Date	Manufacturer	No.	Product	Price
TO 3771 EO 2550	5/24/40 3/1/40	Kearney & Trecker	3	#1H Universal milling machines with equipment	\$11,175.45
Add:	3/1/40	General Electric	3	50 Cycle motors	
TO 3770 EO 2602	5/24/40	Kearney & Trecker	3	#2H Universal Milling machines with equipment	15,237.75
Add:	2/29/40	General Electric	3	5HP, 50 Cycle motors	249.00
TO 3772 EO 2549	5/24/40 3/1/40	Norton	6	6" x 18" Hydraulic surface grinders with 1-1/2 HP, 50 cycle motor	11,643.72

IX.  
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MITSUMI INQUIRY

Chuo Kogyo attempted to place an order for bomb-making equipment with Chambersburg Engineering Company, Chambersburg, Pennsylvania, through Okura and Co. Chambersburg referred the matter to Mitsui and Co.

The following quotations were submitted:

<u>No.</u>	<u>Product</u>	<u>Price</u>
1	250 Ton vertical Hydraulic Press	\$ 6,135.00
1	350 Ton Vertical Hydraulic Press	7,750.00
1	100 Ton Horizontal Draw Bench	13,600.00
2	Hydraulic Accumulators	each 8,150.00
2	Horizontal Triplex Double Cutting Motor Driven Hydraulic Pressure Pumps	each 13,325.00
2	1250 lb. Air Drop Hammers	each 3,600.00
2	Two-Stage Multiple Cylinders Ingersoll Rand Motor Compressors Model T-40	each 3,740.00
1	3000 lb. Model "DHE" Air Operated Drop Hammer	14,855.00
1	Motor driven Compressor with 150 Horsepower Motor	8,165.00
1	Steel Side Trimming Press 150 Ton Capacity	<u>5,375.00</u>
		121,160.00
	Miscellaneous additional equipment	<u>48,750.00</u>
	TOTAL:	\$169,910.00

The file contains full descriptions and photographs of the equipment. However, there is no evidence to show that an order materialized from this inquiry,