



# CITY OF FRANKLIN

COMMUNITY DEVELOPMENT DEPARTMENT

## Staff Report

**To:** Economic Development Commission Members  
**From:** Krista Linke, Director  
**Date:** March 8, 2017  
**Re:** Case EDC 2017-02 – NSK Corporation

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**Case EDC 2017-02 – NSK Corporation:** A request to amend a previously approved personal property tax abatement approved through Resolution 2013-20. The prior approval was granted for a 10-year tax abatement on \$20,000,000 of personal property investment.

**Location:** 3400 Bearing Drive

**Summary:**

1. Characteristics of this location:  
Existing Location – 3400 Bearing Drive
2. Characteristics of this petitioner:  
The NSK Corporation Bearing Plant sells automotive bearing products for the automotive and industrial markets. This includes wheel hub and taper roller bearings. The Franklin Bearing Plant initially started in 1991 as a machining center. In 1993, it expanded, adding grinding and assembly operations for generation hub I, II, III, and taper roller bearings. The Franklin facility includes a distribution center handling incoming raw materials and shipping of finished goods. Corporate support functions, such as sales, marketing, application engineering, customer service, and administrative/financial functions, are located in Ann Arbor, Michigan. NSK has over 80 years of experience in design, development, and manufacturing of nearly every kind of anti-friction bearing.

3. Characteristics of this project:  
*Please see Exhibit A for an explanation of the decreased investment amount by NSK from what was originally estimated in 2013.*

The actual investment made since 2013 is \$8,575,135. There have been 255 jobs retained with an average hourly wage of \$31.39 and 15 additional jobs created with an average hourly wage of \$18.47.

The proposed project will give NSK Corporation additional manufacturing capacity for Taper Roller Bearings and current manufacturing expansion/upgrades to allow NSK Franklin to stay competitive in the market and reinforce the current job base.

4. Economic Revitalization Area (ERA):  
This property was designated an ERA by Resolution 2013-20 and confirmed by Resolution 2013-21.

5. ERA & Tax Abatements Findings (Personal Property):

Indiana Code Section 6-1.1-12.1-4.5 states that the following findings must be made when considering an ERA designation and the granting of tax abatement for personal property:

- a. Whether the estimate of the cost of new manufacturing equipment is reasonable for equipment of that type;
- b. Whether the estimate of the number of individuals who will be employed or whose employment will be retained can be reasonably expected to result from the instillation of new manufacturing equipment;
- c. Whether the estimate of annual salaries of those individuals who will be employed or whose employment will be retained can be reasonably expected to result from the installation of the new manufacturing equipment;
- d. Whether any other benefits about which information was requested are benefits that can be reasonably expected to result from the installation of the new manufacturing equipment; and
- e. Whether the totality of the benefits is sufficient to justify the tax abatement.

6. City of Franklin "Tax Abatement Policy" criteria:

The "Tax Abatement Policy" section of the *City of Franklin Community Investment Incentives Summary* states that the Economic Development Commission shall use certain criteria when considering a request for tax abatement. A comparison of those criteria and the proposed request follows:

- a. *Diversification of Local Occupations:* In 2012, 10.8% of all jobs in Johnson County were in the manufacturing sector. There were 4,694 manufacturing employees in Johnson County and 1,017 of them were machine fabricated metal product manufacturing employees. NSK Corporation will retain 258 employees and convert an additional 18 temporary employees to full time.
- b. *Diversification of Local Manufacturing Employment:* According to the U.S. Census Bureau, 2011 County Business Patterns, fabricated metal manufacturing makes up 21.7% of the manufacturing jobs in Johnson County. According to the United States Census Bureau, there were 133 manufacturing establishments in Johnson County in 2012, and 33 of them were fabricated metal product manufacturing establishments.
- c. *Increase in Local Salaries:* The average wage for all industries in Johnson County for the first quarter of 2011 was \$14.98. The average hourly wage in Johnson County for manufacturing in the first quarter of 2011 was \$24.00 per hour. The average hourly wage (without benefits) for the 18 temporary jobs being converted to full time jobs is \$15.38 (\$576,000 divided by 18 jobs, divided by 52 weeks, divided by 40 hours per week). The average hourly wage for the 258 jobs being retained is \$31.03 (\$16,650,000 divided by 258 jobs, divided by 52 weeks, divided by 40 hours per week).
- d. *Sustainable Land Use:* The petitioner proposes to make this investment at their current location.
- e. *Future Community Investment:* The Company has indicated on their applications that they are agreeable to a 5% Economic Development Fee on Personal Property.

- f. *Conformance with the Comprehensive Plan:* The Comprehensive Plan - Future Land Use Plan identifies this property as Manufacturing. Manufacturing areas are intended to accommodate large scale businesses that produce finished products from raw materials. Uses in these areas may include product manufacturers as well as any related warehousing and offices. Manufacturing areas may include facilities that involve emissions or the outdoor storage of materials and finished products. These two factors are the primary distinction between manufacturing areas and light industrial areas.

The property is zoned IG, Industrial: General. The "IG," Industrial: General zoning district is intended to provide locations for general industrial manufacturing, production, assembly, warehousing, research and development facilities, and similar land uses. This district is intended to accommodate a variety of industrial uses in locations and under conditions that minimize land use conflicts. This district should be used to support industrial retention and expansion in Franklin.

7. Tax Abatement Duration:

The *City of Franklin Community Investment Incentives Summary* provides that longer periods of abatement on real and personal property may be considered for requests of an exceptional nature. The Summary states that development examples of an exceptional nature include projects which:

- a. Create a new plant or product line for an existing manufacturer;
- b. Creates substantial employment opportunities with higher than average wages;
- c. Increase substantially property values and the city tax base with minimal impact to city services (police & fire protection, schools, utilities, infrastructure, etc.); and
- d. Utilize existing public infrastructure (sanitary & storm sewer, roads & streets, drainage facilities, and other utilities).

8. Tax Abatement Worksheet:

A copy of the Tax Abatement Worksheet from the *City of Franklin Community Investment Incentives Summary* is enclosed with the staff report. This document is recommended as an outline for considering and documenting these tax abatement requests for this meeting.

9. Requested Effective Year:

The petitioner has requested that, if approved, the tax abatement be effective for the tax year 2014, payable 2015.

**Staff Comments:**

Making use of an existing facility and strengthening the viability of an existing company within the City of Franklin is critical to Franklin's economy. Due to the \$8,575,135 investment that has been made and the number of jobs that have been retained with higher than average hourly salaries, staff recommends that the EDC approve the amended abatement request. The abatement would finish out the original 10 year term which included a 5% Economic Development Fee, at the schedule that was approved in 2013.

## EXHIBIT A

### NSK Corporation - Franklin Plant Amendment to Abatement 13-20 Actual vs. Estimated Spend Analysis

Original Plan	20,000,000	<b>a</b>	
Actual Spend	<u>8,575,135</u>	<b>b</b>	
Difference	11,424,865	<b>a-b</b>	
Business Lost	(3,500,000)	<b>c</b>	TRB RG7 Line
Canceled Project	(4,400,000)	<b>d</b>	KKS Machining
Canceled Project	(3,200,000)	<b>e</b>	Box Furnace
Business Lost	<u>(500,000)</u>	<b>f</b>	Cincinnati OD Machine #3
Difference	(175,135)	<b>g</b>	difference due to changes in spend vs estimate

The original \$20 million spend estimate included several projects that were canceled as a direct and an indirect result of lost business as well as significant fluctuations between the US Dollar and the Japanese Yen.

A large piece of the difference relates to a lost business opportunity with a large automaker that involved the TRB RG7 line at an estimated cost of \$3.5 million (**c**). The cancellation of the Cincinnati OD Machine #3, at a cost of \$500k (**f**), was also a direct result of this lost business.

There were two other major projects planned over the three year investment period that totaled \$7.6 million (**d+e**) that were canceled as an indirect result of the lost business mentioned above, as well as significant currency fluctuations. The executive committee at NSK headquarters (Tokyo) decided not to move forward with a project that would have brought the heat treating process to our Franklin facility. Currently, we perform heat treat at our Liberty, IN and Clarinda, IA facilities. We also import some products that are already heat treated from our foreign NSK affiliate plants if they require special heat treating that we are not equipped to do in the US. The initial plan to build out heat treat capacity in Franklin was due to increased TRB demand. The aforementioned loss of business with the automaker caused a decrease in expected TRB volume, and this was part of the rationale behind canceling the box furnace and KKS machining. The other factor was the significant fluctuation in value of the Japanese Yen as compared to the US Dollar. This change made the project less sensible on a global NSK basis, and the executive committee decided against moving forward as a result.

The actual spend relating to the originally estimated \$20 million (**a**) is \$8,575,135 (**b**). The difference between \$20 million, the aforementioned \$8.575 million, and the canceled projects detailed in the previous paragraphs is (\$175k) (**g**). This relates to various small differences in estimated spend versus actual spend - changes in estimate, items costing more or less than planned, etc. There is not one large difference driving this; rather, it is many small variances over the three year period.



# STATEMENT OF BENEFITS PERSONAL PROPERTY

State Form 51764 (R4 / 11-15)

Prescribed by the Department of Local Government Finance

FORM SB-1 / PP

## PRIVACY NOTICE

Any information concerning the cost of the property and specific salaries paid to individual employees by the property owner is confidential per IC 6-1.1-12.1-5.1.

### INSTRUCTIONS

1. This statement must be submitted to the body designating the Economic Revitalization Area prior to the public hearing if the designating body requires information from the applicant in making its decision about whether to designate an Economic Revitalization Area. Otherwise this statement must be submitted to the designating body **BEFORE** a person installs the new manufacturing equipment and/or research and development equipment, and/or logistical distribution equipment and/or information technology equipment for which the person wishes to claim a deduction.
2. The statement of benefits form must be submitted to the designating body and the area designated an economic revitalization area before the installation of qualifying abatable equipment for which the person desires to claim a deduction.
3. To obtain a deduction, a person must file a certified deduction schedule with the person's personal property return on a certified deduction schedule (Form 103-ERA) with the township assessor of the township where the property is situated or with the county assessor if there is no township assessor for the township. The 103-ERA must be filed between January 1 and May 15 of the assessment year in which new manufacturing equipment and/or research and development equipment and/or logistical distribution equipment and/or information technology equipment is installed and fully functional, unless a filing extension has been obtained. A person who obtains a filing extension must file the form between January 1 and the extended due date of that year.
4. Property owners whose Statement of Benefits was approved, must submit Form CF-1/PP annually to show compliance with the Statement of Benefits. (IC 6-1.1-12.1-5.6)
5. For a Form SB-1/PP that is approved after June 30, 2013, the designating body is required to establish an abatement schedule for each deduction allowed. For a Form SB-1/PP that is approved prior to July 1, 2013, the abatement schedule approved by the designating body remains in effect. (IC 6-1.1-12.1-17)

SECTION 1		TAXPAYER INFORMATION						
Name of taxpayer	Name of contact person							
NSK CORPORATION	RACHEL L. ALLEN							
Address of taxpayer (number and street, city, state, and ZIP code)		Telephone number						
P.O. BOX 134007, ANN ARBOR, MI 48113-4007		( 734 ) 913-7588						
SECTION 2		LOCATION AND DESCRIPTION OF PROPOSED PROJECT						
Name of designating body		Resolution number (s)						
THE CITY OF FRANKLIN COMMON COUNCIL		FORMERLY 13-20						
Location of property		County						
3400 BEARING DRIVE, FRANKLIN, IN 46131		JOHNSON						
Description of manufacturing equipment and/or research and development equipment and/or logistical distribution equipment and/or information technology equipment. (Use additional sheets if necessary.)		ESTIMATED						
EXPANSION OF TAPER ROLLER LINES TO ACCOMMODATE NEW BUSINESS VOLUMES. REPLACEMENT OF TEMPORARY AND PART TIME POSITIONS WITH FULL TIME. EQUIPMENT EFFICIENCY AND QUALITY IMPROVEMENTS TO INCREASE PRODUCTION OUTPUT AND MAINTAIN JOB BASE IN FRANKLIN.		START DATE	COMPLETION DATE					
		04/01/2013	09/16/2016					
SECTION 3		ESTIMATE OF EMPLOYEES AND SALARIES AS RESULT OF PROPOSED PROJECT						
Current number	Salaries	Number retained	Salaries					
255	16,650,000	15	576,000					
SECTION 4		ESTIMATED TOTAL COST AND VALUE OF PROPOSED PROJECT						
NOTE: Pursuant to IC 6-1.1-12.1-5.1 (d) (2) the COST of the property is confidential.	MANUFACTURING EQUIPMENT		R & D EQUIPMENT		LOGIST DIST EQUIPMENT		IT EQUIPMENT	
	COST	ASSESSED VALUE	COST	ASSESSED VALUE	COST	ASSESSED VALUE	COST	ASSESSED VALUE
Current values	101,625,000	21,852,000						
Plus estimated values of proposed project	8,575,135	2,572,541						
Less values of any property being replaced	1,000,000	300,000						
Net estimated values upon completion of project	109,200,135	24,124,541						
SECTION 5		WASTE CONVERTED AND OTHER BENEFITS PROMISED BY THE TAXPAYER						
Estimated solid waste converted (pounds) _____		Estimated hazardous waste converted (pounds) _____						
Other benefits:								
SECTION 6		TAXPAYER CERTIFICATION						
I hereby certify that the representations in this statement are true.								
Signature of authorized representative		Date signed (month, day, year)						
		3.6.17						
Printed name of authorized representative		Title						
Rachel Allen		Tax Manager						



# FOR USE OF THE DESIGNATING BODY

We have reviewed our prior actions relating to the designation of this economic revitalization area and find that the applicant meets the general standards adopted in the resolution previously approved by this body. Said resolution, passed under IC 6-1.1-12.1-2.5, provides for the following limitations as authorized under IC 6-1.1-12.1-2.

A. The designated area has been limited to a period of time not to exceed \_\_\_\_\_ calendar years \* (see below). The date this designation expires is \_\_\_\_\_. *NOTE: This question addresses whether the resolution contains an expiration date for the designated area.*

B. The type of deduction that is allowed in the designated area is limited to:

1. Installation of new manufacturing equipment;
2. Installation of new research and development equipment;
3. Installation of new logistical distribution equipment.
4. Installation of new information technology equipment;

☐ Yes ☐ No ☐ Enhanced Abatement per IC 6-1.1-12.1-18  
☐ Yes ☐ No *Check box if an enhanced abatement was*  
☐ Yes ☐ No *approved for one or more of these types.*  
☐ Yes ☐ No

C. The amount of deduction applicable to new manufacturing equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_. (One or both lines may be filled out to establish a limit, if desired.)

D. The amount of deduction applicable to new research and development equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_. (One or both lines may be filled out to establish a limit, if desired.)

E. The amount of deduction applicable to new logistical distribution equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_. (One or both lines may be filled out to establish a limit, if desired.)

F. The amount of deduction applicable to new information technology equipment is limited to \$ \_\_\_\_\_ cost with an assessed value of \$ \_\_\_\_\_. (One or both lines may be filled out to establish a limit, if desired.)

G. Other limitations or conditions (specify) \_\_\_\_\_

H. The deduction for new manufacturing equipment and/or new research and development equipment and/or new logistical distribution equipment and/or new information technology equipment installed and first claimed eligible for deduction is allowed for:

☐ Year 1 ☐ Year 2 ☐ Year 3 ☐ Year 4 ☐ Year 5 ☐ Enhanced Abatement per IC 6-1.1-12.1-18  
☐ Year 6 ☐ Year 7 ☐ Year 8 ☐ Year 9 ☐ Year 10 *Number of years approved: \_\_\_\_\_*  
*(Enter one to twenty (1-20) years; may not exceed twenty (20) years.)*

I. For a Statement of Benefits approved after June 30, 2013, did this designating body adopt an abatement schedule per IC 6-1.1-12.1-17? ☐ Yes ☐ No  
 If yes, attach a copy of the abatement schedule to this form.  
 If no, the designating body is required to establish an abatement schedule before the deduction can be determined.

Also we have reviewed the information contained in the statement of benefits and find that the estimates and expectations are reasonable and have determined that the totality of benefits is sufficient to justify the deduction described above.

Approved by: (signature and title of authorized member of designating body)	Telephone number ( )	Date signed (month, day, year)
Printed name of authorized member of designating body	Name of designating body	
Attested by: (signature and title of attester)	Printed name of attester	

\* If the designating body limits the time period during which an area is an economic revitalization area, that limitation does not limit the length of time a taxpayer is entitled to receive a deduction to a number of years that is less than the number of years designated under IC 6-1.1-12.1-17.

## IC 6-1.1-12.1-17

### Abatement schedules

Sec. 17. (a) A designating body may provide to a business that is established in or relocated to a revitalization area and that receives a deduction under section 4 or 4.5 of this chapter an abatement schedule based on the following factors:

- (1) The total amount of the taxpayer's investment in real and personal property.
- (2) The number of new full-time equivalent jobs created.
- (3) The average wage of the new employees compared to the state minimum wage.
- (4) The infrastructure requirements for the taxpayer's investment.

(b) This subsection applies to a statement of benefits approved after June 30, 2013. A designating body shall establish an abatement schedule for each deduction allowed under this chapter. An abatement schedule must specify the percentage amount of the deduction for each year of the deduction. An abatement schedule may not exceed ten (10) years.

(c) An abatement schedule approved for a particular taxpayer before July 1, 2013, remains in effect until the abatement schedule expires under the terms of the resolution approving the taxpayer's statement of benefits.

# NSK Corporation - Franklin Plant

## List of Assets Acquired under Resolution 13-20

Dept	Asset No	System NrClass	M&E	Tooling	Percent	Resolution #	Description	Acq Value
220G1	220G1C350F001	18215 08	61,027.86	15,256.97	20%	13-20	Cincinnati 350-20 Fine Electrical Upgrade	76,284.83
220G1	220G1C350R001	18217 08	61,027.86	15,256.97	20%	13-20	Cincinnati 350-20 Rough Upgrade	76,284.83
220G1	220G1CL630U001	18325 08	84,550.96	21,137.74	20%	13-20	Lidkoping CL630 Upgrade - mechanical and electrical	105,688.70
220G1	220G1LU001	18326 08	11,693.00	2,923.25	20%	13-20	Lidkoping Upgrade - mechanical and electrical	14,616.25
220G1	220G1SDG5F001	18216 08	59,946.38	14,986.59	20%	13-20	SDG5F Face Grinder Upgrade	74,932.97
220G1	220HP0111701	17519 08	9,422.90	-	0%	13-20	G1 SDG5 Hopper Rebuild	9,422.90
220G1	220HP0112001	17524 08	40,967.63	-	0%	13-20	G1 OD TRB Conveyor Replacement	40,967.63
220G1	220HP0112101	17522 08	16,875.00	1,875.00	10%	13-20	Cincinnati OD Finish Grinder	18,750.00
220G1	220HP0112501	17646 08	-	22,250.00	100%	13-20	Cincinnati OD Grinder Servo Controller Replacement	22,250.00
220G1	22G1V5C1	17993 08	43,043.73	-	0%	13-20	V5C1 Grinder Upgrades	43,043.73
220G1	22G1V5C2	17992 08	43,043.72	-	0%	13-20	V5C2 Grinder Upgrades	43,043.72
220G1	H1453	18777 08	17,104.55	0	0%	13-20	Coolant Return Tank Replacement	17,104.55
22100	220HP0112901	17740 08	18,367.79	-	0%	13-20	CERAMIC FILTERS	18,367.79
22100	22100ACDE485	18431 08	33,195.95	-	0%	13-20	Air Compressor Dryer #2 Element	33,195.95
22100	22100ACDE539	18427 08	33,195.95	-	0%	13-20	Air Compressor Dryer #1 Element	33,195.95
22100	22100ACHE002	18672 08	54,648.00	-	0%	13-20	Air Compressor Heat Exchanger	54,648.00
22100	22100AFFFFSS001	18279 08	31,747.38	-	0%	13-20	AFFF Fire Suppression System	31,747.38
22100	22100CSE001	18428 08	541,357.55	-	0%	13-20	Coolant System Expansion Upgrade	541,357.55
22100	22BPGRIND1	17881 08	11,726.81	-	0%	13-20	BACKING PLATE GRINDER	11,726.81
22100	H1559	18963 08	26,215.66	-	0%	13-20	Coolant & Mist Collection Piping	26,215.66
22100	H1592	18961 08	29,508.13	7,377.03	20%	13-20	Inner Ring Feeder and Box Dumper Safety Guarding	36,885.16
221G1	220HP0111801	17520 08	90,210.35	-	0%	13-20	G2 Machine Overhaul	90,210.35
221G1	22G2M01G1A	17998 08	13,733.50	-	0%	13-20	Machine Overhaul for G2	13,733.50
221G1	22G2M01G1B	17999 08	13,733.49	-	0%	13-20	Machine Overhaul for G2	13,733.49
221G2	22G2M01G2	18000 08	13,733.50	-	0%	13-20	Machine Overhaul for G2	13,733.50
221G4	22G2M01G4A	18001 08	13,733.50	-	0%	13-20	Machine Overhaul for G2	13,733.50
221G4	22G2M01G4B	18002 08	13,733.49	-	0%	13-20	Machine Overhaul for G2	13,733.49
221G5	221G5CONVEYOR0215	18276 08	47,919.55	47,919.55	50%	13-20	Conveyor for 1G5 - Toyota	95,839.10
221G5	22E11G5	18128 08	15,669.23	15,669.23	50%	13-20	1G5 Equipment Install	31,338.45
221G5	22G2M01G5A	18003 08	13,733.50	-	0%	13-20	Machine Overhaul for G2	13,733.50
221G5	22G2M01G5B	17997 08	13,733.49	-	0%	13-20	Machine Overhaul for G2	13,733.49
221G6	22G2M01G6	18666 08	46,617.87	-	0%	13-20	Machine Overhaul for G2	46,617.87
221G7	22MHIB11G7	17991 08	12,339.20	3,084.80	20%	13-20	Material Handling Improvements for 1G7 B1's	15,424.00
223A1	220HP0112601	17647 08	13,555.36	-	0%	13-20	Rebuild Hub III Tray Changer	13,555.36
223A1	S-6290	18959 08	61,476.38	-	0%	13-20	Swage Overhaul Phase 3 3A1	61,476.38
223A1	Various	18928 08	11,636.35	-	0%	13-20	New Machine/Line Modification Add'l Invoice	11,636.35
223A1	Various	18750 08	746,743.37	-	0%	13-20	New Machine/Line Modification	746,743.37
223A2	220HP0112601-2	17648 08	13,555.37	-	0%	13-20	Rebuild Hub III Tray Changer	13,555.37
223C0	220HP0112301	17650 08	31,763.30	-	0%	13-20	Replace Hub3 Weight Scales with Load Cell	31,763.3
223C0	223C0234LCOT001	18368 13	-	20,000.00	100%	13-20	3C2 3C3 3C4 Load Chuck/Outbucket	20,000.00
223C0	223C0GCO001	18669 08	15,550.00	-	0%	13-20	Hub 3 Grind Conveyor Overhaul	15,550.00
223C0	223C0G0001a	18704 08	3,950.00	-	0%	13-20	Additional invoice Hub 3 Grind Conveyor Overhaul	3,950.00
223C0	223C0H3CCT001	18209 13	-	21,466.00	100%	13-20	Hub 3 Common Chucking Tooling	21,466.00
223C0	223C0PMU001	18671 08	6,910.98	12,834.68	65%	13-20	Paint Machine Upgrades	19,745.66
223C0	223C0PMU001a	18705 08	695.41	1,291.48	65%	13-20	Additional invoice Paint Machine Upgrades	1,986.89
223C0	223C0PRR001	18324 13	-	35,706.00	100%	13-20	NCL Pressure Roll Redesign	35,706.00
223C0	223C2HLSL001	18670 08	23,853.66	-	0%	13-20	Honda Line Side Labeling - 3C2	23,853.66
223C0	223C2HLSL001a	18703 08	13,155.11	-	0%	13-20	Additional Invoice for Honda Line Side Labelling - 3C2	13,155.11
223C3	H1564a	18778 08	11,005.18	2751.296	20%	13-20	Toyota RX Lexus Long Bolt Change	13,756.48
223C6	H1564c	18813 08	11,005.18	2751.296	20%	13-20	Toyota RX Lexus Long Bolt Change	13,756.48
223C6	S-6124	18958 08	55,277.71	-	0%	13-20	Swage Overhaul Phase 2 3C6	55,277.71
223C7	H1564b	18779 08	11,005.18	2751.296	20%	13-20	Toyota RX Lexus Long Bolt Change	13,756.48
223C0	220HP0112801	17741 08	23,747.52	5,936.88	20%	13-20	WEIGHT SCALE UPGRADES	29,684.40
223G2	223G2H393	18423 08	10,188.40	-	0%	13-20	LU-300 Chip Conveyor Upgrade on 3G2	10,188.40
223G2	223G2H393	18432 08	10,188.40	-	0%	13-20	LU-300 Chip Conveyor Upgrade on 3G2	10,188.40

Dept	Asset No	System NrClass	M&E	Tooling	Percent	Resolution #	Description	Acq Value
22500	220HP0112201	17523 08	27,479.01	-	0%	13-20	Chem Lab Fume Hood/Cabinets	27479.01
22500	22500BHH001	18323 08	19,963.00	-	0%	13-20	Bolt Hole Harness Checker - in QA Lab	19,963.00
22500	22500MPIU001	18665 08	31,018.77	-	0%	13-20	Magnetic Particle Inspection Unit	31,018.77
22500	22500QALSM001	18371 08	100,859.22	-	0%	13-20	Surfcom Machine Located in QA Lab	100,859.22
22600	22600PLOT	18038 20	6,772.35	-	0%	13-20	Replacement Plotter	6772.35
22760	223C6SMO001	18424 08	52,783.19	9,314.68	15%	13-20	3C6 Swage electrical and industrial upgrades	62,097.87
22760	22SECURCAM	17886 20	65,544.18	-	0%	13-20	SECURITY CAMERAS	65,544.18
22760	22WNUHUB	18004 20	73,485.01	-	0%	13-20	FR Hub Wireless Network Upgrades	73,485.01
22C2A	22NCLBC3C2	17995 08	9,446.01	1,049.56	10%	13-20	3C2 Buffer Conveyor Upgrades	10,495.57
22C3A	22NCLBC3C3	17996 08	9,446.01	1,049.56	10%	13-20	3C3 Buffer Conveyor Upgrades	10,495.57
22C3A	22T62173C3	17984 13	-	77,821.44	100%	13-20	TOYOTA 62BWKH17 GRIND TOOLING FOR 3C3	77,821.44
22C3A	22T62173C3A	18005 13	-	82,236.49	100%	13-20	Toyota 62BWKH17 Assembly Tooling for 3C3	82236.49
22C4A	22000UFAZZ045	17633 08	199,237.50	-	0%	13-20	Hub III Flange & OD Runout Check Machine	199,237.50
22C4A	22NCLBC3C4	17994 08	7,871.67	2,623.89	25%	13-20	3C4 Buffer Conveyor Upgrades	10,495.56
22C4A	22UF-EAZ-051	17887 08	139,285.69	34,821.42	20%	13-20	BOLT MACHINE FOR FORD MUSTANG	174,107.11
22C5A	22C5AIARS	18027 08	73,594.78	-	0%	13-20	Install A Ring Superfinish on Machine on 3C5	73,594.78
22C5A	22C5AIARS - 2	18278 08	2,085.04	-	0%	13-20	Additional Invoice for A Ring Superfinish on Machine 3C5	2,085.04
22C6A	22000009710	18233 13	-	82,546.24	100%	13-20	RX350 56-03 Encoder Seal Tooling	82,546.24
22C6A	22C6A4962T001	18208 13	-	103,166.41	100%	13-20	Toyota RAV4 49BWKHS62 Tooling for 3C6	103,166.41
22C6A	22C6AIARS	18664 08	69,938.36	-	0%	13-20	Install A Ring Superfinish machine on 3C6	69,938.36
22C7A	FRH0316	18749 08	357,512.86	-	0%	13-20	New Machine/Line Modification	357,512.86
22C7B	22C7BBCC783	18422 08	8,959.20	-	0%	13-20	FS4 Beltless Chip Conveyor 3G1B1 - Livonia Magnetics	8,959.20
22C7B	22G2MO2G1	18375 08	23,475.59	-	0%	13-20	Machine Overhaul for G2 - GB120 on Line 2G1	23,475.59
22C7B	22G2MO2G2	18376 08	23,475.59	-	0%	13-20	Machine Overhaul for G2 - GB120 on Line 2G2	23,475.59
22C7B	22G2MO3G1B1	18377 08	23,475.58	-	0%	13-20	Machine Overhaul for G2 - GB120 on Line 3G1B1	23,475.58
22FIX	H1413	18776 08	43,211.37	0	0%	13-20	Ceramic Filter (Kerosene Cleaning System)	43,211.37
22GG0	16W 3014	18957 08	56,122.88	-	0%	13-20	Grind Sward Conveyor Replacement	56,122.88
22GG0	22GG033RT	18420 08	35,987.34	3,998.59	10%	13-20	Grinder Table Lube Failure Prevention	39,985.93
22GG0	22GG0GCSC	18018 08	92,056.78	-	0%	13-20	Grind Coolant System Capacity Increase/Upgrade	92,056.78
22GG0	22GG0VFD001	18668 08	14,848.72	-	0%	13-20	Add VFD's to G1 and G2 Coolant Systems	14,848.72
22GG0	22VBAGGO	18147 08	9,799.28	-	0%	13-20	Vibration & Balancing Analyzer 209E7E663F4E	9,799.28
22GG0	H1314	18918 08	46,436.24	0	0%	13-20	Grind Machine Safety Cover Modifications	46,436.24
22GG0	H1324	18917 08	51,762.14	0	0%	13-20	Grind Machine Safety Cover Modifications	51,762.14
22OG1	CL660 S	18962 08	14,826.40	3,706.60	20%	13-20	Lidkoping CL660 Mechanical Upgrade	18,533.00
22OG1	H1554	18915 08	60,878.70	15219.674	20%	13-20	Lidkoping CL660 Upgrade	76,098.37
22RA1	220HP0111901	17521 08	30,517.86	7,629.47	20%	13-20	Replace RG1&RG2 Rib Superfinisher	38,147.33
22RA1	220HP0113101	17704 08	33,856.00	8,464.00	20%	13-20	Outer Ring Auto Supply Machine	42,320.00
22RA1	220HP0113102	17705 08	32,863.20	8,215.80	20%	13-20	Washing Machine	41,079.00
22RA1	220HP0113103	17706 08	27,569.60	6,892.40	20%	13-20	ECT Conveyor	34,462.00
22RA1	220HP0113104	17707 08	64,512.90	7,168.10	10%	13-20	Automatic Outer Ring Measuring Machine	71,681.00
22RA1	220HP0113105	17708 08	88,850.50	15,679.50	15%	13-20	Laser Marking Machine	104,530.00
22RA1	220HP0113106	17709 08	184,387.20	46,096.80	20%	13-20	Outer Ring Raceway Grinding Machine	230,484.00
22RA1	220HP0113107	17710 08	40,968.80	10,242.20	20%	13-20	Outer Ring Auto Supply Machine	51,211.00
22RA1	220HP0113108	17711 08	21,589.00	-	0%	13-20	Outer Ring Stocker	21,589.00
22RA1	220HP0113109	17712 08	101,602.40	25,400.60	20%	13-20	Outer Ring Carrier	127,003.00
22RA1	220HP0113110	17713 08	161,354.78	40,338.70	20%	13-20	Outer Ring Raceway Superfinish Machine	201,693.48
22RA1	220HP0113111	17714 08	159,872.80	39,968.20	20%	13-20	Inner Ring Raceway Grinding Machine	199,841.00
22RA1	220HP0113112	17715 08	147,256.00	36,814.00	20%	13-20	Inner Ring Rib Grinding Machine	184,070.00
22RA1	220HP0113113	17716 08	186,592.80	46,648.20	20%	13-20	Inner Ring Bore Grinding Machine	233,241.00
22RA1	220HP0113114	17717 08	187,508.80	46,877.20	20%	13-20	Inner Ring Carrier	234,386.00
22RA1	220HP0113115	17718 08	39,976.80	9,994.20	20%	13-20	Inner Ring Auto Supply Machine	49,971.00
22RA1	220HP0113116	17719 08	48,109.00	-	0%	13-20	Inner Ring Stocker	48,109.00
22RA1	220HP0113117	17720 08	164,160.38	41,040.10	20%	13-20	Inner Ring Raceway Superfinish Machine	205,200.48
22RA1	220HP0113118	17721 08	-	554,978.66	100%	13-20	RG6 & RA3 A Install	554,978.66
22RA1	22RA1R623TRG4	18336 13	-	28,920.40	100%	13-20	R62-3 Tooling for Toyota Increase	28,920.40



Dept	Asset No	System NrClass	M&E	Tooling	Percent	Resolution #	Description	Acq Value
22RA1	22RA1RIM	18011 08	13,584.20	-	0%	13-20	TRB Roller Inspection machine RA1	13,584.20
22RA1	22RA1SMRT	18421 08	10,405.24	-	0%	13-20	Return Tanks TRB (SF Machine RG1 A/OA and RG2 A/OA)	10,405.24
22RA1	22RA20AAA330M	18419 08	147,784.77	36,946.19	20%	13-20	TRB Automatic Roller Insertion Machine	184,730.96
22RA1	22RA2RIM	18012 08	13,584.20	-	0%	13-20	TRB Roller Inspection machine RA2	13,584.20
22RA1	22RA30AAA330M	18667 08	139,179.54	34,794.89	20%	13-20	TRB Automatic Roller Insertion Machine - RA3	173,974.43
22RA1	22RA3RIM	18013 08	13,584.19	-	0%	13-20	TRB Roller Inspection machine RA3	13,584.19
22RA1	22RG1AFEED	17882 08	32,027.04	8,006.76	20%	13-20	OUTER RING FEEDER RG1 (REPLACEMENT)	40,033.80
22RA1	22RG1BFEEED	17884 08	10,587.58	31,762.73	75%	13-20	INNER RING FEEDER RG1 (REPLACEMENT)	42,350.30
22RA1	22RG2AFEED	17883 08	32,027.04	8,006.76	20%	13-20	OUTER RING FEEDER RG2 (REPLACEMENT)	40,033.80
22RA1	22RG2BFEEED	17885 08	10,587.57	31,762.72	75%	13-20	INNER RING FEEDER RG2 (REPLACEMENT)	42,350.29
22RA1	H1552	18916 08	190,481.86	47620.466	20%	13-20	RA1 & RA3 Roller Insertion Replacements	238,102.33
22RA1	H1598	18960 08	4,244.06	-	0%	13-20	TRB Piping Improvment above RG1	4,244.06
			<u>6,704,084.93</u>	<u>1,871,049.63</u>				<u>8,575,134.36</u>