

**BlackRock Appraisals**  
6551 Jansen Ave. N.E., Suite 203  
Albertville, MN 55301

**SUMMARY  
APPRAISAL  
REPORT**

**Northstar Auto Technologies, Inc.  
4805 35<sup>th</sup> Avenue North  
Waukesha, WI 53186**

Prepared by: Theron R. Horn, Jr.  
08/12/2014  
Effective: 08/24/2014

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**Note: This report is only valid in its entirety.**

August 24, 2014

Karl Kleinfelder  
Northstar Auto Technologies, Inc.  
4805 35<sup>th</sup> Avenue North  
Waukesha, WI 53186

RE: Appraisal of Machinery and Equipment

Dear Mr. Kleinfelder:

Pursuant to your request, I, as a Certified Appraiser of BlackRock Appraisals have prepared a summary appraisal of Northstar Auto Technologies, 4805 35<sup>th</sup> Avenue North, Waukesha, WI 53186, a copy of which is enclosed. This report is intended only to determine the "Orderly Liquidation Value" on the machinery and equipment at Northstar Auto Technologies, Inc. for business financing and insurance purposes of assets. Use of this report by others is not intended by the appraiser, nor is the report intended for any other use unless express written consent is further granted.

On August 12, 2014, I personally viewed the machinery and equipment. Following my inspection, I investigated into the market conditions for this type of equipment in order to prepare this impartial report.

The cost, income, and market approaches to value have been considered for this appraisal and have either been utilized where necessary or deemed inappropriate for the value conclusions found therein. The enclosed appraisal is a complete appraisal.

After a thorough analysis of the machinery and equipment and review of the information made available to me, it is my opinion that as August 12, 2014, the machinery and equipment has the Orderly Liquidation Value shown on the certificates that I prepared August 24, 2014.

As an agent of BlackRock Appraisals, Ltd., I certify that neither I nor BlackRock Appraisals, Ltd. or any of its employees have any present or future interest in the appraised property. The fees charged for this appraisal were not contingent on the values reported nor were any undisclosed fee, commissions, or other compensation received.

Respectfully submitted,

No. 278  
Theron R. Horn, Jr., CEA, CSA  
Appraiser  
President  
BlackRock Appraisal, Ltd.

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does

**- Certify -**

that on the date given in this certificate, the property of

**Northstar Auto Technologies, Inc.**

WAS WELL AND REASONABLE WORTH:

\$860,902.00

ON THE BASIS OF ITS ORDERLY LIQUIDATION VALUE  
SUMMARY APPRAISAL REPORT

The "Orderly Liquidation" as defined by the (AMEA) Association of Machinery and Equipment Appraisers being as follows:

"Orderly Liquidation Value", A professional opinion of the estimated most probable price expressed in terms of currency which the subject equipment could typically realize at a privately negotiated sale, properly advertised and professionally managed, by a seller obligated to sell over an extended period of time, usually within six to twelve months, as of the effective date of the appraisal report. Further, the ability of the asset group to draw sufficient prospective buyers to insure competitive offers is considered. All assets are to be sold on a piecemeal basis 'as is' with purchasers responsible for removal of assets at their own risk and expense. Any deletions or additions to the total assets appraised could change the psychological and/or monetary appeal necessary to gain the value indicated.

Distribution Of Values Are As Follows:

<u>Description</u>	<u>Pages</u>	<u>Orderly Liquidation Value</u>
Machinery & Equipment	15-43, 45-54	\$855,902.00
Material Handling	44	\$5,000.00
<b>TOTAL</b>		<b>\$860,902.00</b>

Inspected: August 12, 2014  
Effective: August 24, 2014

Account No: 278

BY: \_\_\_\_\_

The Signature Appraiser has Not appraised these assets within the last 3 years.

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**CERTIFICATION**

I certify that, to the best of my knowledge and belief:

The statements of fact contained in this report are true and correct.

The reported analysis, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, unbiased professional analysis, opinions, and conclusions.

I have no present or prospective interest in the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.

My compensation is not contingent on an action or event resulting from the analysis, opinions, or conclusions in, or the use of, this report.

My analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the *Uniform Standards of Professional Appraisal Practice*. My analyses, opinions, and conclusions of value are not a guarantee of value.

I have made a personal inspection of the property that is the subject of this report.

No one had provided significant professional assistance to the person signing this report.

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Signature

Effective: 08/24/2014

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**SCOPE OF WORK**

The scope of this report is limited to the machinery and equipment at Northstar Auto Technologies, Inc. 4805 35<sup>th</sup> Avenue North, Waukesha, WI 53186, and does not include any land, buildings or leasehold improvements.

The Scope of Work addresses the Type and Extent of Research and Analysis utilized to develop an Opinion of Value. The Data Collected in the Course of Research and Analysis may include, but is not limited to: Market Data from Used Equipment Dealers that Sell Comparable Equipment; Conversations with New Equipment Manufacturer's; Consultation with Auctioneers, Liquidators and Equipment Brokers of Comparable Equipment; In-House Data Bases; Industry Data Bases; Trade Journals and Industry Periodicals.

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**NOTES AND COMMENTS**

The machinery and equipment detailed in this Summary Appraisal Report was physically viewed by the Signature Appraiser on August 12, 2014. The Intended User of this report is Northstar Auto Technologies, Inc. The Intended Use of this report is to provide information to Northstar Auto Technologies, Inc. to be used for Business and Financial Planning with The Definition of Value reported was chosen by discussions between Northstar Auto Technologies, Inc. accounting firm and the Signature Appraiser. The Following comments should be considered in integral part of this report.

Northstar Auto Technologies' core competency in manufacturing is a precision component part contract job shop, specializing in multiple spindle automatic screw machines, single spindle automatic screw machines, CNC swiss type automatic lathes; as well as CNC lathes, CNC milling and grinding of parts produced. The company is 29 years old and operates in two facilities located on the same street with 20,000 sq. ft. combined. At the time the assets were reviewed the machines and support equipment appear to be well maintained and in good working condition for the age of the machinery.

The machinery and equipment detailed in this Summary Appraisal Report is Standard Metalworking Type. The company presently operated on at least one shift basis. This machinery is not limited to only producing parts for current existing customers. The plant is well light, fairly clean, and appears to be adequate to very good for work flow.

The Cost, Income, and Market Approaches were considered for this report. The Cost and Market Approaches were used and the Income Approach was deemed inappropriate for the value conclusions found in this report.

The Appraiser is an owner of BlackRock Appraisals, LTD, 6551 Jansen Ave NE, Suite 203, Albertville, MN 55301. May or May Not Have sold equipment to Northstar Auto Technologies, Inc. within the last 3 years.

The scope of this report is limited to the machinery and equipment at this facility and does not include any land, buildings, or lease hold improvements. The day-to-day inventory of raw materials and other assorted items required to manufacture parts of their customers were not included in this report.

The values placed on the machinery and equipment is determined by the use of standard and accepted appraisal procedures. This included the physical inspection of each machine. During the inspection, the manufacturer, model, serial number, attachments, and tooling are identified. The ages of the machines are determined through the Serial Number Reference Book and also through calls to distributors and manufacturers. The values are determined by the use of comparative recent selling prices of similar machines. The recent selling figures were obtained from data collected in the course of research and analysis may include, but not limited to; Market Data from Used Equipment Dealers that sell comparable equipment; conversations with New Equipment Manufacturer's; Consultation with Auctioneers, Liquidators and Equipment Brokers of comparable equipment; In House Data Bases; Industry Data Bases; Trade Journals and Industry Periodicals and the Appraiser's over 29 years experience in the buying and selling of Capital Equipment were also utilized.



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**DEFINITION OF VALUE**

**ORDERLY LIQUICATION VALUE**

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"Orderly Liquidation Value", A professional opinion of the estimated most probable price expressed in terms of currency which the subject equipment could typically realize at a privately negotiated sale, properly advertised and professionally managed, by a seller obligated to sell over an extended period of time, usually within six to twelve months, as of the effective date of the appraisal report. Further, the ability of the asset group to draw sufficient prospective buyers to insure competitive offers is considered. All assets are to be sold on a piecemeal basis 'as is' with purchasers responsible for removal of assets at their own risk and expense. Any deletions or additions to the total assets appraised could change the psychological and/or monetary appeal necessary to gain the value indicated.

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**APPROACHES TO VALUE**

There are three recognized approaches used in appraisal analysis:

**Market Approach**

This approach involves the collection of market data pertaining to the subject assets being appraised. This approach is also known as the 'Comparison Sales Approach'. The primary intent of the market approach is to determine the desirability of the assets and recent sales or offerings of similar assets currently on the market in order to arrive at an indication of the most probable selling price for the assets being appraised. If the comparable sales are not exactly similar to the asset being appraised, adjustments must be made to bring them as closely in line as possible with the subject property.

**Cost Approach**

This approach is based on the proposition that the informed purchaser would pay no more for a property than the cost of producing a substitute property with the same utility as the subject property. It considers that the maximum value of a property to a knowledgeable buyer would be the amount currently required to construct or purchase a new asset of equal utility. When subject asset is not new, the current cost must be adjusted for all forms of depreciation as of the effective date of the appraisal.

**Income Approach**

This approach considers value in relation to the present worth of future benefits derived from ownership and is usually measured through the capitalization of a specific level of income. This approach is the least common approach used in the valuation of machinery and equipment since it is difficult to isolate income attributable to such assets.

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**DEFINITION OF DEPRECIATION**

Defined as the actual loss in value or worth of a property from all causes; including those resulting from physical deterioration, functional obsolescence, and economic obsolescence.

**Physical Deterioration**

A form of depreciation where the loss in value or usefulness of an asset is attributable solely to physical causes such as wear and tear and exposure to the elements.

**Functional Obsolescence**

A form of depreciation where the loss in value is due factors inherent in the property itself and due to changes in design, or process resulting in inadequacy, over capacity, excess construction, lack of functional utility, or excess operation costs.

**Economic Obsolescence**

A form of depreciation or loss in value, caused by unfavorable external conditions. These can include such things as the economics of the industry, availability of financing, loss of material and labor sources, passage of new legislation, and changes in ordinances.

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**STATEMENT OF CONDITIONS**

All facts and data set forth in this report are based upon an estimate of value only and are true and accurate to the best of the appraiser's knowledge and belief.

No investigation has been made into title to the property and all items as listed are assumed to be the property of the subject company.

No consideration has been given to liens or encumbrances which may be against the property other than those discussed in this report.

I have no present or prospective interest in the property that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.

The appraised property has been personally inspected unless otherwise stated.

This appraisal has been made in accordance with accepted appraisal practices and in accordance with the Association of Machinery and Equipment Appraisers *Standards and Procedures of Professional Appraisal Ethics and Practice* and the *Uniform Standards of Professional Appraisal Practice* and reflects the best judgment of the appraiser. When appropriate, new and used equipment dealers have been consulted for comparable prices and catalogs, trade publications, and comparative results of auction sales have also been utilized.

Information provided by others has been assumed to be correct for the purposes of this report and no responsibility is taken for the accuracy of same.

Since conclusions by the appraiser are based upon judgments, isolation of any single element as the sole basis of comparison to the whole appraisal may be inaccurate.

The fees for this appraisal are not contingent upon values reported.

Consideration for possible environmental hazards from any source goes beyond the scope of this appraisal.

It is assumed that there are no hidden or unapparent conditions of the equipment which would render it more or less valuable.

Other limitations or assumptions, if any, are clearly defined and individually set out at that point relating to the subject.

The appraiser is not required to give testimony, be present in any court of law, or appear before any commission or board by reason of the appraisal, unless prior arrangements have been made.

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**Orderly Liquidation Appraisal of:**  
 Northstar Auto Technologies, Inc.

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## Air Compressors

Item #	Description	Orderly Liquidation Value
1	1 - Used Ingersoll Rand Model SSP-EP25SE Rotary Screw Air Compressor, Serial No. KE0324U94271, (New 1994), 95 CFM, 25 HP, Ingersoll Rand Air Dryer, Motor and Control.	\$2,500.00
2	1 – Used Curtis Model RSPO-30 Rotary Screw Air Compressor, Serial No. SB3002M140002, (New 2014), 30 HP, Motor and Controls.	\$8,500.00
3	1 – Used Sullivan Model 30D& Rotary Screw Air Compressor, Serial No. 03832-001, 30 HP, 110 Gallon Vertical Receiving Tank, Motor and Controls.	\$3,000.00

### Air Dryers

Item #	Description	Orderly Liquidation Value
4	1 – Used Ingersoll Rand Model DXR100 Air Dryer, Serial No. 944DXR8741, ½ HP, Motor and Controls.	\$1,500.00
5	1 – Used Great Lakes Air Model GRF-125A-116, Air Dryer, Serial No. 46862 (New 2014), ¾ HP, Motor and Controls.	\$1,500.00

SAMPLE

### Automatic Screw Machine, Multiple Spindle

Item #	Description	Orderly Liquidation Value
6	1 – Used Acme Gridley Model RA6 9/16” Six Spindle Screw Machine, Serial No. A-23779, (New 1960), Flat Endslide, Stock Stand and Barfeed, Motor and Control.	\$2,000.00
7	1 – Used Acme Gridley Model RA 6 1” Six Spindle Screw Machine, Serial No. 23209-AM, (New 1950), 1” Bar Capacity, Humpback Type Endslide, 3 <sup>rd</sup> Position Universal Threading, 5 <sup>th</sup> Position Accelerated Reaming, Stock Stand and Barfeed, Motor and Control.	\$2,000.00
8	1 – Used Acme Gridley Model RAN6 1” Six Spindle Screw Machine, Serial No. C-23422, (New 1990), Radial Slides, 3 <sup>rd</sup> & 4 <sup>th</sup> , Universal Threading 4 <sup>th</sup> , Universal Reaming 5 <sup>th</sup> , Pick Off/Back Finishing, Logan Clutch, Universal Pick Off Style Chip Conveyor, Stock Tube Silencer, New Style Guards, Motor and Control.	\$34,000.00
9	1 – Used Acme Gridley Model RA 6 1 ¼” Six Spindle Screw Machine, Serial No. 71681-A, (New 1955), 1 ¼” Bar Capacity, Flat Endslide, 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Accelerated Reaming, Auger Type Chip Conveyor, Feed Knock Out, New Style Guards, Motor and Control.	\$12,500.00
10	1 – Used Acme Gridley Model RA6 1 1/4” Six Spindle Screw Machine, Serial No. 71954-A, (New 1959), 1 1/4” Bar Capacity, Flat Type Endslide, 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Pneumatic Pickoff, 3 <sup>rd</sup> and 4 <sup>th</sup> Positions Radial Slides, Universal Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$15,000.00
11	1 – Used Acme Gridley Model RA 6 1 ¼” Six Spindle Screw Machine, Serial No. 71104-B, (New 1962), Flat Endslide, Logan Universal Air Threading, 3 <sup>rd</sup> Position, Spindle Stoppers, Universal Chip Conveyor, Feed Knock Out, Guards, Motor and Control.	\$22,500.00
12	1 – Used Acme Gridley Model RA6 1 1/4” Six Spindle Screw Machine, Serial No. 71756-B, (New 1968), 1 1/4” Bar Capacity, Flat Type Endslide, 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Pneumatic Pickoff, 3 <sup>rd</sup> and 4 <sup>th</sup> Positions Radial Slides, Universal Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$22,500.00



### Automatic Screw Machine, Multiple Spindle (Continued)

Item #	Description	Orderly Liquidation Value
13	1 - Used Acme Gridley Model RA6 1 1/4" Six Spindle Screw Machine, Serial No. 71884-B, (New 1970), 1 1/4" Bar Capacity, Flat Type Endslide, 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Pneumatic Pickoff, 3 <sup>rd</sup> and 4 <sup>th</sup> Positions Radial Slides, Universal Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$28,500.00
14	1 – Used Acme Gridley Model RA6 1 1/4" Six Spindle Screw Machine, Serial No. 71939-B, (New 1971), Universal Threading, 3 <sup>rd</sup> & 4 <sup>th</sup> , Drill Speeder, Pick Off/ Back Finishing, Flat Slide, Universal Chip Conveyor, New Style Guards, Motor and Control.	\$28,500.00
15	1 – Used Acme Gridley Model RA6 1 1/4" Six Spindle Screw Machine, Serial No. 71357-C, (New 1976), Radial Slides, 3 <sup>rd</sup> & 4 <sup>th</sup> , Universal Threading 4 <sup>th</sup> , Universal Reaming 5 <sup>th</sup> , Logan Clutch, Universal Chip Conveyor, Pick Off/ Backfinishing, Stock Tube Silencer, New Style Guards, Motor and Control.	\$28,500.00
16	1 – Used Acme Gridley Model RA6 1 1/4" Six Spindle Screw Machine, Serial No. 71446-C, (New 1978), 1 1/4" Bar Capacity, Flat Type Endslide, 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Pneumatic Pickoff, 3 <sup>rd</sup> and 4 <sup>th</sup> Positions Radial Slides, Universal Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$28,500.00
17	1 – Used Acme Gridley Model RB6 1 5/8", Six Spindle Screw Machine, Serial No. 41611, (New 1948), 1 5/8" Bar Capacity, Flat Endslide, 3 <sup>rd</sup> Position Universal Threading, 5 <sup>th</sup> Position Accelerated Reaming, Flat Type Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$5,500.00
18	1 – Used Acme Gridley Model RB 6 2" Six Spindle Screw Machine, Serial No. 41887, (New 1952), 2" Bar Capacity, Flat Endslide, 5 <sup>th</sup> Position Accelerated Reaming, Auger Type Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$5,500.00
19	1 – Used Acme Gridley Model RB6 2 5/8", Six Spindle Screw Machine, Serial No. 84147-A, (New 1950), 2 5/8" Bar Capacity, Flat Endslide, 3 <sup>rd</sup> Position Universal Threading, 5 <sup>th</sup> Position Accelerated Reaming, Auger Type Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$3,000.00

**Automatic Screw Machine, Multiple Spindle (Continued)**

Item #	Description	Orderly Liquidation Value
20	1 – Used Acme Gridley Model RB6 2 5/8", Six Spindle Screw Machine, Serial No. 84840-A, (New 1945), 2 5/8" Bar Capacity, Flat Endslide, 3 <sup>rd</sup> and 4 <sup>th</sup> Position Universal Threading, 5 <sup>th</sup> Position Accelerated Reaming, Universal Chip Conveyor, Stock Stand and Barfeed, Motor and Control.	\$4,000.00

SAMPLE

### Automatic Screw Machine, Single Spindle

Item #	Description	Orderly Liquidation Value
21	1 - Used Brown & Sharpe Model No. 00 Ultramatic Single Spindle Screw Machine, Serial No.542-00-7123-1/2, (New 1966), 1/2" Bar Capacity, 2 Speeds, Vertical Cutoff, Barfeed & Stock stand, Motor and Control.	\$1,500.00
22	1 - Used Brown & Sharpe Model No. 00 Ultramatic Single Spindle Screw Machine, Serial No.542-00-7184, (New 1966), 1/2" Bar Capacity, 4 Speeds, Single Vertical Slide, Barfeed & Stock stand, Motor and Control.	\$1,500.00
23	1 – Used Brown & Sharpe No. 00 Ultramatic R/S Single Spindle Screw Machine, Serial No.542-00-9250-1/2, (New 1980), 2 Speed, Single Vertical Ram Slide, Six Position Turret, Barfeed & Stock Stand, Motor and Control.	\$3,000.00
24	1 - Used Brown & Sharpe Model No. 2 1 1/4" Single Spindle Screw Machine, Serial No.542-2-4603, (New 1961), Square Base Type, 1-1/4" Bar Capacity, Single Vertical Slide, Barfeed & Stock stand, Motor and Control.	\$1,500.00
25	1 – Used Brown & Sharpe No. 2 1 1/4" Ultramatic, Single Spindle Screw Machine, Serial No. 542-2-7986-1-1/4, (New 1979), 4 Speed, Camax, Ram Slide Vertical, Six Position Turret, Turret Mill, Barfeed w/ Stand, Motor and Control.	\$3,500.00
26	1 - Used Brown & Sharpe Model No. 2G 1 1/2" Single Spindle Screw Machine, Serial No. 542-2-21051-1/2, (New 1956), Double Chain Type, 1 1/2" Bar Capacity, Single Vertical Slide, Barfeed & Stock stand, Motor and Control.	\$500.00

### Automatic Screw Machine, Swiss Type, CNC & NC

Item #	Description	Orderly Liquidation Value
27	1 – Used Star Model SA-12 Swiss Type CNC Automatic Lathe, Serial No. 0808 (057), (New 1999), Fanuc 18i-T Control, 16mm, 5/8” Capacity, 6 O.D. Tools, 4 I.D. Tools, Subspindle, Fedek Mini-Swiss 16 Magazine Barfeed, Motor and Control.	\$15,000.00
28	1 – Used Star Model SR-20 Swiss Type CNC Automatic Lathe, Serial No. 040975, (New 1997), Fanuc Series16-T Control, 6 O.D. Tools, 3 Live Cross Mill / Drill Tools, 6 I.D. Split in Two, Subspindle, Fedek Mini-Swiss 20 Magazine Barfeed, Motor and Control.	\$20,000.00
29	1 – Used KSI-Swiss Model SQL-20 Swiss Type CNC Automatic Lathe, Serial No. 42005782 (new 2005), GE Fanuc 18i-TB Control, 20 mm Capacity, Full C-Axis (Front/Back), 6- O.D. Tools, 4 Cross Drill/Mill Tools, 4 Back Working Tools (1 Solid), 5/5 Front/Backworking Tools Closure, 3 Front Working, Backworking Spindle, 8,000 RPM Max, Fedek Mini-Swiss 20 Magazine Barfeed, Motor and Controls.	\$45,000.00

## Chip Wringer

Item #	Description	Orderly Liquidation Value
30	1 - Used Tolhurst Model Size 40" Chip Wringer, Serial No. T51590, (New 1952), 40" Basket Size, 2 Baskets, Motor and Controls.	\$7,500.00

SAMPLE

### Comparators, Optical

Item #	Description	Orderly Liquidation Value
31	1 – Used Deltronic Model DV-114 MPC4L Optical Comparator, Serial No. 229032746, 15" x 8" Staging, 2 Lenses – 10x, 20x, Surface Illumination, MPC-5 2 Axis Control w/ DRO, Controls.	\$4,500.00
32	1 – Used Mitutoyo Type PH-3 Model 50 Optical Comparator, Serial No. 8546, Bench Model, 14" Screen, 15.5" x 5.75" Staging Table, Surface Illumination, Lenses, Controls.	\$3,000.00

SAMPLE

**Coordinate Measuring Machine, CNC & NC**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
33	1 – Used Carl Zeiss Model SVS1620-14 Vista DCC Coordinate Measuring Machine, Serial No.CMM991205118, (New 1999), Renishaw MIP Probe, Zeiss Remote Control, w/ Compaq Deskpro, Computer w/ Zeiss U-Soft Software, All Controls.	\$12,500.00

SAMPLE

## Degreasers & Washers

Item #	Description	Orderly Liquidation Value
34	1 – Used Fourway Auger Type Parts Washer, Serial No. N/A Filtermist Oil/Solvent Collector, Motor and Controls.	\$3,500.00
35	1 – Used Dextrex Model 2D-500S Degreaser, Serial No. 60286, 24” x 40” x 24” Inside Dimensions, Vapor Jacket, Exhaust System, Motor and Controls.	\$500.00

SAMPLE



### Drills, Heavy Duty & Sensitive Single Spindle

Item #	Description	Orderly Liquidation Value
36	1 – Used Avey No. 2 Single Spindle Toolroom Drill Press, Serial No. 30577-1, (New 1953), 25" x 34" Plain Production Table, 250-3000 RPM, Power Downfeed, Coolant, Motor and Controls.	\$2,000.00
37	1 – Used Hamilton Model Varimatic Sensation Drill, Serial No. 693V, 7" x 8" Base Table, Variable Speed, Motor and Controls.	\$250.00

SAMPLE

## Drills, Single Spindle

Item #	Description	Orderly Liquidation Value
38	1 – Used Clausing Model 2286 Single Spindle Drill Press, Serial No. 506424, Variable Speeds, 24" x 40" Plain Production Table, Motor and Controls.	\$1,200.00
39	1 – Used Clausing Model 2276 Single Spindle Drill Press, Serial No.508792, Variable Speeds, 16" x 18" T-Slotted Production Table, Hi/Lo Speed, Motor and Controls.	\$1,200.00
40	1 – Used Clausing Model 2276 Single Spindle Drill Press, Serial No. 508733, Variable Speeds, 16" x 18" T-Slotted Production Table, Power Downfeed, Motor and Controls.	\$1,200.00
41	1 – Used Powermatic Model 1200 Single Spindle Drill Press, Serial No. 7820-V724, Variable Speeds, 16" x 18" T-Slotted Production Table, Power Downfeed, Motor and Controls.	\$750.00
42	1 – Used Clausing Model 1675 Single Spindle Drill Press, Serial No. 120946, Belted Head, 10" x 14" Utility Table, Motor and Controls.	\$750.00

## Drills, Special

Item #	Description	Orderly Liquidation Value
43	1 – Used Special Four Spindle Horizontal Production Drilling Machine, Serial No. N/A, “ARO” High Speed Pneumatic Drills, 20” x 48” Production Base Table, Motor and Controls.	\$750.00

SAMPLE

**Electrical Discharge Machine, Wire Type, CNC**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
44	1 – Used Brothers Model HS-300 CNC Wire Electrical Discharge Machine, Serial No. 111329, Motor and Controls.	\$3,000.00

SAMPLE

**Grinders, Centerless**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
45	1 – Used Royalmaster Model TG12 x 3 Centerless Grinder, Serial No. 1388, 3” Wheel Width, Over Wheel Hydraulic Dressers, Infeed Control, Coolant System, Motor and Control. (Rebuilt 2000)	\$15,000.00

SAMPLE

**Grinders, Cam**

Item #	Description	Orderly Liquidation Value
46	1 – Used Gen-A-Cam Model 400 Cam Grinder, Serial No. 1012368, For Screw Machine Cam Grinding, Motor and Controls.	\$500.00

SAMPLE

## Grinders, Drill

Item #	Description	Orderly Liquidation Value
47	1 - Used Optima Drill Grinder, Serial No. K96, 0.0126" – 0.2559" Capacity, 5x & 10x Projection System w/ Comparator, Diamond Dresser, Motor and Controls.	\$1,500.00
48	1 - Used Sterling Model DG Pedestal Drill Grinder, Serial No. DG5854, Angle Holder, Micrometer Head, Motor and Controls. (Parts Machine)	\$250.00
49	1 - Used Sterling Model DG Pedestal Drill Grinder, Serial No. DG-41068, Angle Holder, Micrometer Head, Motor and Controls.	\$2,000.00
50	1 - Used – Black Diamond Model BW95 Precision Drill Grinder, Serial No. 27545, Bench Model 1-16" – 3/4" Capacity, Bijur Spray Mist, Motor and Controls.	\$400.00
51	1 - Used – Black Diamond Model 2B Drill Grinder, Serial No. 19509, Bench Model 1-16" – 1/2" Capacity, Drill Holder, Motor and Controls.	\$300.00

## Grinders, Form

Item #	Description	Orderly Liquidation Value
52	1 – Used Sheffield Model 122 Micro-Form Grinder, Serial No. 122-277, (New 1953), 6" Wheel, Wheel Speed 3500 RPM, -90 Degrees to +90 Degrees Wheel Head Upper/Lower Slide Angles, 7" Comparator, 30x Scope, Bausch & Lomb Model Acu-Rite III 2 Axis DRO, Motor and Control.	\$1,500.00
53	1 – Used Sheffield Model 122 Micro-Form Grinder, Serial No. 122-318, (New 1955), 6" Wheel, Wheel Speed 3500 RPM, -90 Degrees to +90 Degrees Wheel Head Upper/Lower Slide Angles, 7" Comparator, 30x Scope, Motor and Control. (Not Running)	\$500.00



### Grinders, Surface Horizontal Spindle

Item #	Description	Orderly Liquidation Value
54	1 – Used Landis Abrasive No. 1-1/2 Model No. 1-1/2 Surface Grinder, Serial No. 151-7, (New 1961), Hand Feeds, 10" x 15" Permanent Magnetic Chuck, Coolant, Motor and Control.	\$2,500.00
55	1 – Used Chevalier Model FSG-818M Surface Grinder, Serial No. M5795001, Hydraulic Feeds, 8" x 18" Course Line Magnetic Chuck, Eltro Rectifier, Coolant System, Motor and Controls.	\$8,500.00

SAMPLE

## Grinders, Tap

Item #	Description	Orderly Liquidation Value
56	1 – Used Blake Tap Chamfer Grinder, Serial No. 1967, Cabinet Base, Motor and Controls.	\$650.00

SAMPLE

## Grinders, Tool & Cutter

Item #	Description	Orderly Liquidation Value
57	1 – Used Cincinnati Monoset Tool & Cutter Grinder, Serial No. 315-2A-01-79, (New 1979), 3.5" Wheel, Chrome Slides, Motorized Workhead, Tooling, Motor and Control.	\$5,000.00
58	1 – Used Brown & Sharpe Model No. 10N Tool & Cutter Grinder, Serial No. N/A, 5 1/4" x 37 7/8" Table Size, Motorized Workhead, Tooling, Motor and Control.	\$750.00

SAMPLE

**Grinders, Miscellaneous**

Item #	Description	Orderly Liquidation Value
59	1 – Used Lot of Double End Pedestal Grinders, Double End Carbide Grinders, Double End Bench Grinders, Combination Sander, Combination Disc & Belt Grinders, and Belt Grinders.	\$2,500.00

SAMPLE

**Hone, Horizontal**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
60	1 – Used Sunnen Model MBB-1600 Horizontal Honing Machine, Serial No. 40160, 0.060 – 6.5” Capacity, 2500 RPM, Manual Brake, Filter, Motor and Control.	\$3,500.00

SAMPLE

## Inspection Equipment

Item #	Description	Orderly Liquidation Value
61	1 – Used Bendix Precisionaire Air Height Gage, Serial No. N/A.	\$1,000.00
62, 63, 64	3 – Used Mitutoyo Type 1DF-15OE Electronic Digimatic Indicator, Serial No. 0D07397.	\$1,500.00 Each
65	1 – Used Bendix Type OBA Profilomitor, Serial No. 2-77. Calibrator Scale, Probes, Electrics.	\$1,000.00
66	1 – Used Precision Devices Model PDA-3 Surfometer, Serial No. 2029A, Calibrator Scale, Probes, Electrics.	\$750.00
67	1 – Used Bendix Precisionaire Air Height Gage, Serial No. N/A.	\$1,000.00
68	1 – Used Northwestern 14" x 32" Two Ledge Gray Granite Surface Plate, Serial No. N/A.	\$300.00
69	1 – Used Herman 14" x 32" No Ledge Granite Surface Plate, Serial No. 20224.	\$300.00
70	1 – Used Rahn 18" x 24" No Ledge Granite Surface Plate, Serial No. 2302.	\$300.00
71	1 – Used 12" x 18" No Ledge Black Granite Surface Plate, Serial No. N/A.	\$300.00
72	1 – Used 12" x 6" No Ledge Black Granite Surface Plate, Serial No. N/A.	\$300.00
73	1 – Used Lot Miscellaneous: Veneer, Calipers, Dial, Indicators, Pin Gages, Block Gages, Micrometers, V-Blocks, Height Gages, Trepan Gages, Thread Ring, Bore Gages, Sunnen Bore Gage, Pressure Micrometers, Thread Gages, Blade Micrometers, Etc.	\$25,477.00

## Lathes, CNC & NC

Item #	Description	Orderly Liquidation Value
74	1 – Used Daewoo Model Lynx 200A CNC Chucking Lathe, Serial No. L2000914, (New 1999), Fancu 21-T Control, Collet Chuck 16C, 12 Position Turret, (No Tailstock), LNS Quick Load Servo S2 Magazine Barfeed, 10 HP Motor and Controls.	\$16,500.00
75	1 – Used Daewoo Model Puma 8S CNC Lathe, Serial No. PM850162, (New 1995), 6” Chuck, 12 Station Turret, Mitsubishi Meldas 500L Control, 3-1/2 Floppy Drive, RS232 Tailstock, Parts Catcher, Tool Presetter, Motor and Controls.	\$7,500.00
76	1 – Used Takisawa Model TC-1 CNC Lathe, Serial No. THZP61000, (New 1987), Fancu OT Control, 6” Chuck, 12 Station Turret, Motor and Controls.	\$3,000.00
77	1 – Used Omni-Turn Model GT-JR Series I CNC Chucking Lathe, Serial No. 2716G35, With Omni-Turn Control, Gang Style Slide, Coolant, Motor and Controls.	\$7,000.00
78	1 – Used Takisawa Model TX-20 CNC Chucking Lathe, Serial No. TKLV8404, Fancu 21T Control, 10 Position Turret 8” 3-Jaw Chuck, 8 Station Staking Loader, Chip Conveyor, Motor and Controls.	\$6,000.00
79, 80	2 – Used SNK Model GT-27 “PRIDIGY) CNC Ultra Precision Gang Style Lathe, Serial No. 20-4262-S (New 2007) and 20-4324-S, GE Fancu Series Oi Mate-TC Control, Full C-Axis, Gang Style Slide, Full Enclosure, High Pressure Coolant, Motor and Controls.	\$30,000.00 Each

**Lathes, CNC & NC (Continued)**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
81	1 – Used Doosan Model Lynx 220LMS CNC Lathe, Serial No. ML213-000155, (New 2013), Doosan-Fanuc i Series Control, 2.6” Bar Capacity, 23.6” Swing, Chuck Sizes: 8” and 5.3”, 6,000 RPM, 12 Station Turret, X-Axis, Subspindle, 20 HP, Part Conveyor, Chip Conveyor, LNS Alpha SLG5S Magazine Barfeed, Motor and Controls.	\$65,000.00
82	1 – Used Ganesh Model Cyclone-32GT CNC Lathe, Serial No. CS021001 (New 2013), Ganesh/M Control, Gang Style with Turret Indexer, Chip Conveyor, Motor and Controls.	\$24,000.00

SAMPLE



## Lathes, Engine

Item #	Description	Orderly Liquidation Value
83	1 – Used Standard Modern Model 13LD Engine Lathe, Serial No. 4083, Capacity: 13" x 30", 50-1500 RPM, 6" 3-Jaw Chuck, Tool Post, Tail Stock, on Cabinet Base, Motor and Controls.	\$2,000.00
84	1 – Used Monarch Model 12" CK Engine Lathe, Serial No. 14243, (New 1942), 14.5" x 30" Capacity, 550 RPM, Chucks, Hardways, Motor and Controls.	\$1,500.00

SAMPLE

### Lathes, Second Operation

Item #	Description	Orderly Liquidation Value
85	1 – Used Hardinge Model DV-59 Second Operation Lathe, Serial No. DV-59-9533, (New 1965), 1-1/16" Collet Capacity, Variable Speed, Collet Closure, Cross Slide, Turret, Coolant, Motor and Control.	\$3,000.00
86	1 – Used Hardinge HC, Serial No. HC-4175-P, 8 Position Turret, 125-3,000 RPM, Coolant, Motor and Control.	\$4,000.00
87	1 – Used Hardinge Model DSM-59 Second Operation Lathe, Serial No. V59-3548-3, (New 1955) 1-1/16" Collet Capacity, Northfield Air Chuck, Manual Turret, Coolant, Motor and Control.	\$2,000.00
88	1 – Used Hardinge Model HSL Speed Lathe, Serial No. HSL-5C-3936-T, (New 1978), 1-1/16" Collet Capacity, Production Cross Slide, Electric Brake, Cabinet Base, Motor and Control.	\$1,750.00

### Machining Centers, CNC, Vertical

Item #	Description	Orderly Liquidation Value
89	1 – Used Kia Center Model V25P CNC Vertical Machining Center, Serial No. KV25047, (New 1996), Fanuc Korea Series O-M Control, Rotary Palletized Table, 10 Station ATC, No. 30 Taper, Motor and Controls.	\$10,500.00
90	1 – Used Dyna Myte Model 4500 Vertical Machining Center, Serial No. 5239 (New 1994), Mitsubishi Model Meldas M3 CNC Control, 6,000 RPM, 16 Station Automatic Tool Changer, 20"X, 16"Y, 20"Z, 10.0 HP Motor and Control. (Not Manufactured Anymore)	\$1,500.00
91	1 – Used Haas Model VF-2D CNC Vertical Machining Center, Serial No. 31760 (New 2003), Haas VOP-A, 20 HP, Haas Control, Motor and Controls.	\$40,000.00

## Material Handling Equipment

Item #	Description	Orderly Liquidation Value
92	1 – Used Caterpillar Model F35 Electric Fork Lift, Serial No. 5FB01282, 1,000 lb. Lift Capacity, 120” Vertical Lift, 3 Mast, Solid Tires, Roll Cage, Electric Motor and Controls.	\$3,500.00
93	1 – Used Clark Model GCX25 Fork Lift Truck, Serial No. GX230-0375-9246KOF, 4,000 lb. Lift Capacity, 170” Vertical Lift, Solid Tires, Roll Cage, Side Shift, Propane, Motor and Controls.	\$1,500.00

SAMPLE

### Mills, Horizontal Production

Item #	Description	Orderly Liquidation Value
94	1 – Used Cincinnati Production Horizontal Mill, Serial No. 2FIPIL-496, 10" x 41" Table, 1,500 RPM, Coolant, Motor and Control.	\$1,500.00
95	1 – Used Cincinnati Model 112 Production Horizontal Mill, Serial No. 2EIPJ-390, (New 1940) 10" x 36" Table, 1,500 RPM, HAAS 5C Digitized Indexer with Control, Motor and Control.	\$1,500.00

SAMPLE

### Mills, Vertical

Item #	Description	Orderly Liquidation Value
96	1 – Used Bridgeport Model 2J Vertical Mill, Serial No. 153017, (New 1972), Variable Speed Head, 4,200 RPM, 9" x 42" Table, Power Feed on Table, Motor and Control.	\$3,500.00
97	1 – Used Bridgeport Model 1J Vertical Mill, Serial No. 158868, (New 1973), Belted Head, 9" x 42" Table, Variable Power Feed on Table, 2,720 RPM, HAAS Model 5C digital Readout Indicator, Motor and Control.	\$3,500.00
98	1 – Used Bridgeport Model 1J Vertical Mill, Serial No. 211683, (New 1969), Belted Head, 9" x 42" Table, Bridgeport Power Feed on Table, Heidenhain 2 Axis Digital Readout, Motor and Control.	\$3,500.00

**Press, Pneumatic**

<b>Item #</b>	<b>Description</b>	<b>Orderly Liquidation Value</b>
99	1 – Used Automator Model MB21 Pneumatic Stamping Press, Serial No. 14716 (New 2011), 5 Ton Capacity, 6" x 6" Bed Size, Motor and Controls.	\$2,500.00

SAMPLE

### Saws, Horizontal, Band

Item #	Description	Orderly Liquidation Value
100	1 – Used Kalamazoo Model H9AW Horizontal Band Saw, Serial No. K22549, 1" Blade Width, 9" x 16" Capacity, Coolant, Motor and Controls.	\$2,500.00

SAMPLE



## Saws, Vertical

Item #	Description	Orderly Liquidation Value
101	1 – Used Walker Turner Model 16” Vertical Band Saw, Serial No. 21-842, 17” x 18” Table, Motor and Control.	\$1,500.00

SAMPLE

## Scales

Item #	Description	Orderly Liquidation Value
102	1 – Used Fairbanks Model 41-4200 Platform Counting Scale, Serial No. 6735293, 1,000 lb. Capacity.	\$200.00
103	1 – Used Spinks Model A Platform Scale, Serial No. 25175, 1,000 lb. Capacity.	\$200.00
104	1 – Used PA Model C200-9 Counting Scale, Serial No. 96054, 50 lb. Capacity, Bench Model.	\$150.00
105	1 – Used Toledo Model 4652EE Counting Scale Serial No. 37, 40 lb. Capacity, Bench Model.	\$150.00

**Thread, Rollers**

Item #	Description	Orderly Liquidation Value
106	1 – Used – Seny Model D30E Hydraulic Thread Roller, Serial No. 399, Motor and Control.	\$5,500.00

SAMPLE

## Vibratory Finishing Mill

Item #	Description	Orderly Liquidation Value
107	1 – Used Wheelabrator Hutson Model “Super Quiet” Model 20165 Q Burr Bench Vibratory Finishing Mill, Serial No. 20SQ-86-008, (New 1986), 2 Cubic Feet, 20” x 16” x 12” Inside Dimensions, Variable Speed, End Discharge, Motor and Controls.	\$1,000.00

SAMPLE

## Miscellaneous Equipment

Item #	Description	Orderly Liquidation Value
108	1 – Used Roller Type Bar Marking Machine, Serial No. N/A	\$750.00
109-113	5 – Used Lista Roller Drawer Cabinets	\$750.00 Each
114	1 – Used Floor Mounted Jib Crane, 16' Arm, ½ Ton Electric Hoist, Motor and Controls.	\$1,000.00
115	1 – Used Exide Model ETR-18-3-720 Battery Charger, Serial No. 839-LC-6, Cables and Controls.	\$500.00
116	1 – Used FCA Model BF180S Vibratory Feeder Bowl, Serial No. 13021, 18" Capacity, Motor and Controls.	\$500.00
117	1 – Used Haskins Size No. 1 Tapper, Serial No. N/A, 9.5" x 12" Table, Tap Head.	\$250.00
118-122	5 – Used Tempco Electronic Air Cleaners, Electric Controls and Motors.	\$250.00 Each
123-126	4 – Used Smoke Master Electronic Air Cleaners, Electric Controls and Motors.	\$250.00 Each
127	1 – Used Econoline Model "Mini-Blast" Sand Blast Cabinet, Serial No. E79399, Stand, Motor and Controls.	\$350.00
128	1 – Used Torit Model 60 Dust collector, Serial No. N/A, Motor and Controls.	\$500.00
129	1 – Used Roto-Clono Size 3 ½ Dust & Mist Collector, Serial No. 10000, Motor & Controls.	\$250.00
130	1 – Used Acetylene Gas Welding Set, Regulators & Torches.	\$250.00
131	1 – Used Multiton Model S27-48 Hydraulic Pallet Jack, Serial No. S23089	\$100.00
132	1 – Used Miller Model CP-30 Wire Feed Welder, Serial No. HK315156, with Miller Matic 10A Wire Feed, Electric Controls on Cart.	\$1,250.00

### Miscellaneous Equipment (Continued)

Item #	Description	Orderly Liquidation Value
133	1 – Used Mikita 12” Bench Model Cold Saw, Motor and Controls.	\$100.00
134	1 – Used Lot of Tooling, Cams Gears, Banding Machines, Magnetic Base Drill, Work Benches, Vises, Desks, Chairs, Drills, End Mills, Tool Holders, Chucks, Tooling Cabinets, Drawer Cabinets, Stock Racks, Shelving, Ladders, Cincinnati Time Clocks, Block Toolholders, Toolholders, Acme Gridley Tooling / Cams / Gears, Grinding Wheels, Electric & Manual Hand Tools, Office Desks, File Cabinets, Copiers, Microwaves, Chairs, Carts, Etc.	\$87,475.00

SAMPLE

## Sources

1. Orca Machine Tools, Inc.
2. The Book
3. Fourway Machinery
4. Graff Machine Tools
5. S&M Machinery Sales
6. Doosan
7. Champion Machinery
8. ASI Machine Tools
9. A&M Co
10. Bidityup
11. Action Machinery
12. Machinery Values
13. Bibb Machinery
14. 520 Machinery
15. Graff Pinkert
16. Blumberg Machinery
17. Turners Machine
18. Kempler Machinery
19. Altman Machinery
20. F.P. Miller Co.

## **APPRAISER REFERENCES & RESUME**

Theron R. Horn, Jr., CEA, CSA  
President, Owner of BlackRock Appraisals  
Appraiser

### Education

- Bachelor of Arts Degree in Cross Cultural Communications

### Experience

- Certified Machine & Equipment Appraiser - AMEA
- Member Equipment Appraisers Association of North America
- USPAP Certified – Uniform Standard of Professional Appraisal Practices
- Machine Tool Sales - 32 years
- Machine Tool Manufacturing - 45 Years
- Active Machine Tool & Equipment Appraisals - 20 Years
- Served as Chapter Secretary, Chapter Chair and National Board Representative of MDNA, served on the public relations and industry committee, ethics and mediation committee and other special committees for the Machinery Dealers National Association.

### References\*

- Airmo, Inc. George Smida, CEO, Coon Rapids, MN
- Alliance Bank, Timothy Hughes, Sr. V.P., St. Paul, MN
- Anchor Bank – Business, James Collins, Vice President, Blaine, MN
- CIT Group/Equipment Financing, Tim Otis, Credit Analyst, Tempe, AZ
- Douglas Machine, Maple Grove Facility, Richard Rosenfield, Maple Grove, MN
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- AMEA - Association of Machinery & Equipment Appraisers
- EAANA - Equipment Appraisers Association of North America

\*Phone Numbers Available Upon Request