



JNM Group of Companies







THE EVOLUTION OF THE JNM GROUP OF COMPANIES

A decorative graphic consisting of several blue circles of varying sizes, some solid and some with a gradient, arranged in a loose, circular pattern around the text.

JNM Tool & Manufacture Facility was founded in 1991 by **Giovanni (John) and Michael J. Spidalieri.**

A large, solid blue arrow pointing from the first text block to the second.

Windsor Metal Technologies, Stamping and Welding Facility was incorporated in 1998.

A large, solid light blue arrow pointing from the second text block to the third.A large, dark blue circle that serves as the background for the final text block.

Currently Windsor Metal Technologies has 90,000 square feet of manufacturing capabilities, with **11 presses** in total, with **six** currently automated by robotic transfer, and by linear transfers also. Capabilities also include projection welding.

JNM Tool & Manufacture

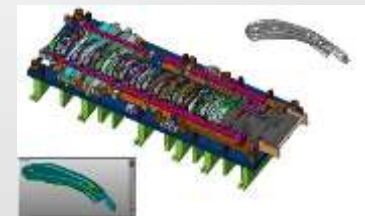
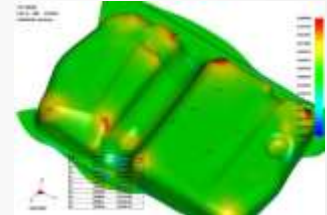
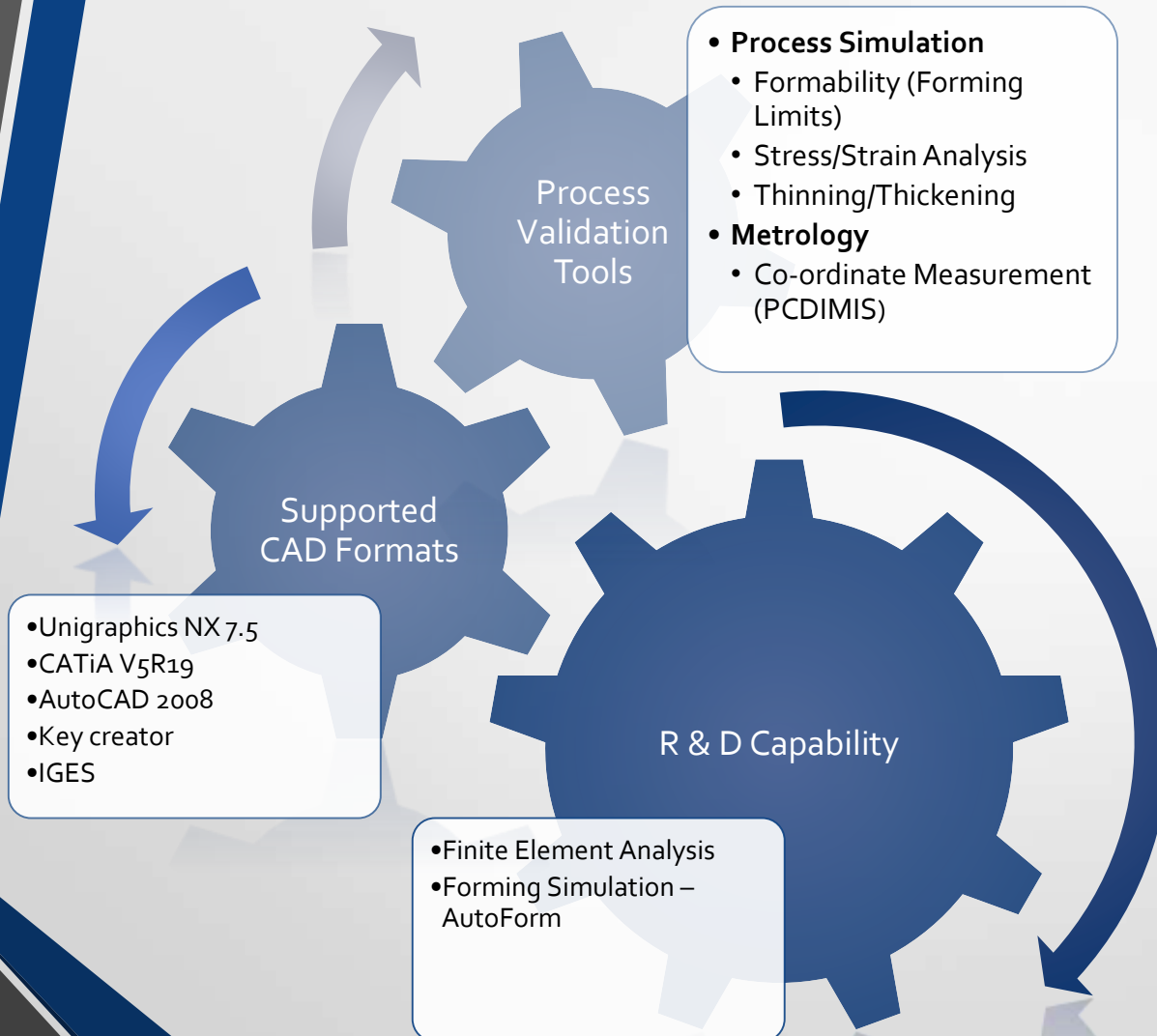
Windsor, Ontario - Prototype/Tool Shop Facility – Founded in 1991.
20,000 Sq. Ft



JNM De Mexico Arteaga

Arteaga, Mexico - Prototype/Tool
Shop Facility - Found in 2007. 20,000
Sq. Ft - 182 Emp.





Windsor Metal Technologies

Windsor, Ontario - Metal Stamping and Assemblies

Founded in 1998, 90,000 square ft. - 94 employees



Windsor Metal Technologies

Windsor, Ontario - Metal Stamping and Assemblies

Leading in Robotic Automation and Part Transfer Systems



Windsor Metal Technologies

11 Presses from 400 - 1600 TONS

WMT EQUIPMENT

EQUIPMENT	TONNAGE	BOLSTER SIZE		STROKE	STROKES Minute	RAM ADJUST	Shut Height MAX.	COIL W. & THICK.		COIL SPECS.	
		L-R	F-B					MIN.	MAX.		
Verson 200	200	84"	36"	8"	36	6"	30"	6" / .040"	22.5" / 0.102"	36" / 20"	10,000 Lbs.
Danly 250	250	96"	54"	16"	20	4"	35.5"	24" / .040"	27" / 0.102"	48" / 20"	15,000 Lbs.
B.Clearing 440	600	132"	84"	30"	16	16"	64"	12" / .030"	57.2" / 0.157"	72" / 20"	20,000 Lbs.
B.Clearing 44S	400	132"	72"	24"	16	16"	33"	12" / .030"	57.2" / 0.157"	72" / 20"	20,000 Lbs.
B.Clearing 449	400	132"	72"	24"	17	16"	33"	12" / .030"	57.2" / 0.157"	60" / 20"	20,000 Lbs.
Danly 1000	1000	144"	84"	33"	12-22	16"	72"	12" / .024"	60" / .250"	60" / 20"	20,000 Lbs.
Bliss 600 - Robot/Prog	600	120"	60"	18"	20	16"	49 3/4"	12" / .024"	36" / .375"	60" / 20"	20,000 Lbs.
Verson 800- Robot transfer	800	120"	60"	18"	16	12"	52 1/2"				
Verson 800- Robot transfer	800	120"	60"	20"	18-35	12"	52 1/2"	12" / .024"	36" / .375"	60" / 20"	20,000 Lbs.
Clearing 1200-Transfer	1200	196"	84"	18"	12-24	12"	52 1/2"	12" / .024"	60" / .375"	60" / 20"	20,000 Lbs.
Clearing 1600-Transfer	1600	180"	66"	30"	18-22	12"	64"	18" / .031"	60" / .250"	60" / 20"	20,000 Lbs.

WMT WELD/ASSEMBLY DEPARTMENT SPECIFICATIONS

ROBOTIC WELD cell 1 (faru c)	60 KVA. / Medar 300 weld controller - quick change fixtures
ROBOTIC WELD cell 2 (faru c)	60 KVA. / Medar 300 weld controller - quick change fixtures
ROBOTIC WELD cell 3 (faru c)	60 KVA. / Medar 300 weld controller - quick change fixtures
Peck welder setup for nut welding	60 KVA.
Circle Grid Analyzer Unit	



CHASSIS/TOWING



SEATING – SEAT PANS & SIDE MEMBERS



2006 '**JNM De Mexico**' -
Arteaga Mexico was
founded, as a parallel facility
to the WMT Windsor.



Today JNM De Mexico is 120,000 square Ft. Facility, with full tool room capable of manufacturing our own dies and for other OEM's. Current state of 18 presses with capabilities to run multiple dies with different tonnage range from 200 to 1600 tons.

JNM De Mexico

- Arteaga, Mexico - Full Tool-room service,
- Metal Stamping, Welding and Assembly
- Founded in 2007
- 160,000 sq ft
- 182 employees

(18) 500 - 1600 TON PRESS CAPABILITIES



JNM De Mexico – Arteaga, Mexico



STAMPING EQUIPMENT

EQUIPMENT	SERIAL #	TONNAGE	BOLSTER SIZE		STROKE	SPM	RAM ADJUST	SHUT HEIGHT		COIL SPECIFICATIONS	
			L-R	F-B				MIN	MAX	WINDOW	MAX WT
MINSTER	45	45	18"	12"	6"	50	4"	5"	12"	10"	5,000 LBS
CLEARING	111	110	63"	23"	8"	40	5"	11"	16"	C-FRAME	
BLOW	151	150	84"	36"	12"	30	6"	12"	18"	10"	5,000 LBS
BLOW	201	200	84"	36"	12"	20	6"	14"	20"	10"	5,000 LBS
EAGLE	221	200	108"	42"	16"	35	8"	34"	42"	36"	5,000 LBS
EAGLE	222	200	108"	42"	16"	35	8"	34"	42"	36"	10,000 LBS
VERSION	800	800	120"	60"	20"	18-35	8"	34"	42"	36"	10,000 LBS
BLOW	501	500	108"	66"	20"	30	12"	34"	46"	48"	20,000 LBS
BLOW	502	500	108"	66"	20"	30	12"	34"	46"	48"	20,000 LBS
VERSION	601	600	120"	60"	24"	20	12"	24"	54"	40"	15,000 LBS
VERSION	602	600	120"	60"	24"	20	12"	24"	54"	40"	15,000 LBS
VERSION	603	600	120"	60"	24"	20	12"	24"	54"	40"	15,000 LBS
BLISS	801	800	120"	60"	24"	18	12"	24"	54"	40"	20,000 LBS
CLEARING	1201	1200	256"	72"	24"	10-30	14"	50"	72"	68"	20,000 LBS
*ROBOT LINE1	802	800	118"	60"	16"	18	10"	40"	50"	36"	20,000 LBS
*ROBOT LINE1	803	800	118"	60"	16"	18	10"	40"	50"	36"	
*ROBOT LINE1	804	800	118"	60"	16"	18	10"	40"	50"	36"	
VERSION	E1	800	132"	96"	30"	20-24	14"	40"	54"	72"	20,000 LBS
VERSION	E2	1600	180"	72"	20"	20-25	18"	44"	60"	60"	30,000 LBS
VERSION	E3	1000	144"	84"	18"	25	10"	50"	60"	60"	20,000 LBS
BLISS	E4	1500	160"	54"	12"	25	14"	46"	60"	48"	20,000 LBS
CLEARING	E5	800	132"	84"	30"	18-25	12"	40"	52"	72"	20,000 LBS

In 2018, '**JNM De Mexico**' - San Luis Potosí a new Green Field facility was completed.

160,000 square feet. housing 9 Large Tonnage Presses

8 -1000 ton and 1 – 2000 ton large bed stamping presses

Current Client base all in SLP and surrounding Area

This facility will also be accompanied by a full service tool shop

JNM De Mexico SLP

- San Luis Potosi, Mexico - Full Tool-Room Service, Metal Stamping, Welding & Assembly
- 160,000 sq ft
- 64 Employees



JNM De Mexico SLP

- Phase #2 Underdrive Press Line (Completion Q1-2021)
 - 1,000 Ton x 5
 - 2,000 Ton x1



Expansion area available



[illegible]

In 2017, JNM - Kentucky' - Glasgow, was purchased as a strategic opportunity to enter the US Market.

The Facility is over 140,000 square feet , Including 6 -700 to 3000 ton large bed stamping presses and a 7th - 1500 ton transfer press ready for 2019.

The JNMK facility was re-launched and given new life under the JNM Operational Philosophy

This JNMK facility is equipped with a full service tool shop with automotive assembly Capabilities

Glasgow, Kentucky - Full Tool-room service, Metal Stamping, welding and assembly
140,000 sq ft
65 employees



3000T coil feed transfer. 108" x 216" x 47" SH. Coil feed up to 60" wide.



Linear Transfer System

Blank Destacker

Coil Feeder

1500T coil feed transfer.
108" x 216" x 47" SH

3000T coil feed transfer.
108" x 216" x 47" SH



Coil feed up to 72"
wide x 0.350" thick

Linear Transfer unit to be
installed fall of 2020

3000 TON TRANSFER CAPABILITIES





Fuel Tank Straps



Seat Side Members



F150 Laser Welded Frame Rails

STAMPING EQUIPMENT

EQUIPMENT	SERIAL #	TONNAGE	BOLSTER SIZE		STROKE	SPM	RAM ADJUST	SHUT HEIGHT		COIL SPECIFICATIONS	
			L-R	F-B				MIN	MAX	WINDSOW	MAX WT
DANLY	PRESS #1	700	108"	60"	20"	20	18"	32"	50"	48"	30,000 LBS
CLEARING	PRESS #3	800	144"	90"	30"	20	18"	36"	54"	48"	30,000 LBS
CLEARING	PRESS #4	800	144"	90"	30"	20	18"	36"	54"	48"	30,000 LBS
SCHULER	PRESS #5	1500	216"	108"	40"	8-20	4"	58"	62"	72"	40,000 LBS
SCHULER	PRESS #6	3000	216"	108"	40"	8-20	4"	58"	62"	72"	
*SCHULER	PRESS #7	1500	216"	108"	40"	8-20	4"	58"	62"	72"	40,000 LBS
**FIGOR	PRESS #8	1100	180"	100"	37"	8-20	4"	23"	38"	72"	
**FIGOR	PRESS #9	1100	180"	100"	37"	8-20	4"	23"	38"	72"	

*** COMPLETED WITH AN 80 INCH FEED LINE CAPABILITY OF 10mm & 60" WIDE**

**** SCHEDULED TO BE OPERATIONAL IN MID 2021**

GEOGRAPHICALLY POSITIONED

- 100 km range from key customers in their respected regions

AUTOMATION

- Robotic transfer
- Linear transfer
- Part sensors/vision systems

STRATEGIC PLANNING

- Define criteria, goals & objectives
- Evaluation of impacts of alternatives
- Measure impacts
- Implement decisions

EXPERIENCE & EXPERTISE

- Over 300 combined years of tooling experience
- Focused management team



Program Management

- From Design to Manufacturing
- APQP Program
- Robotics and line adaptation
- Inception to Completion



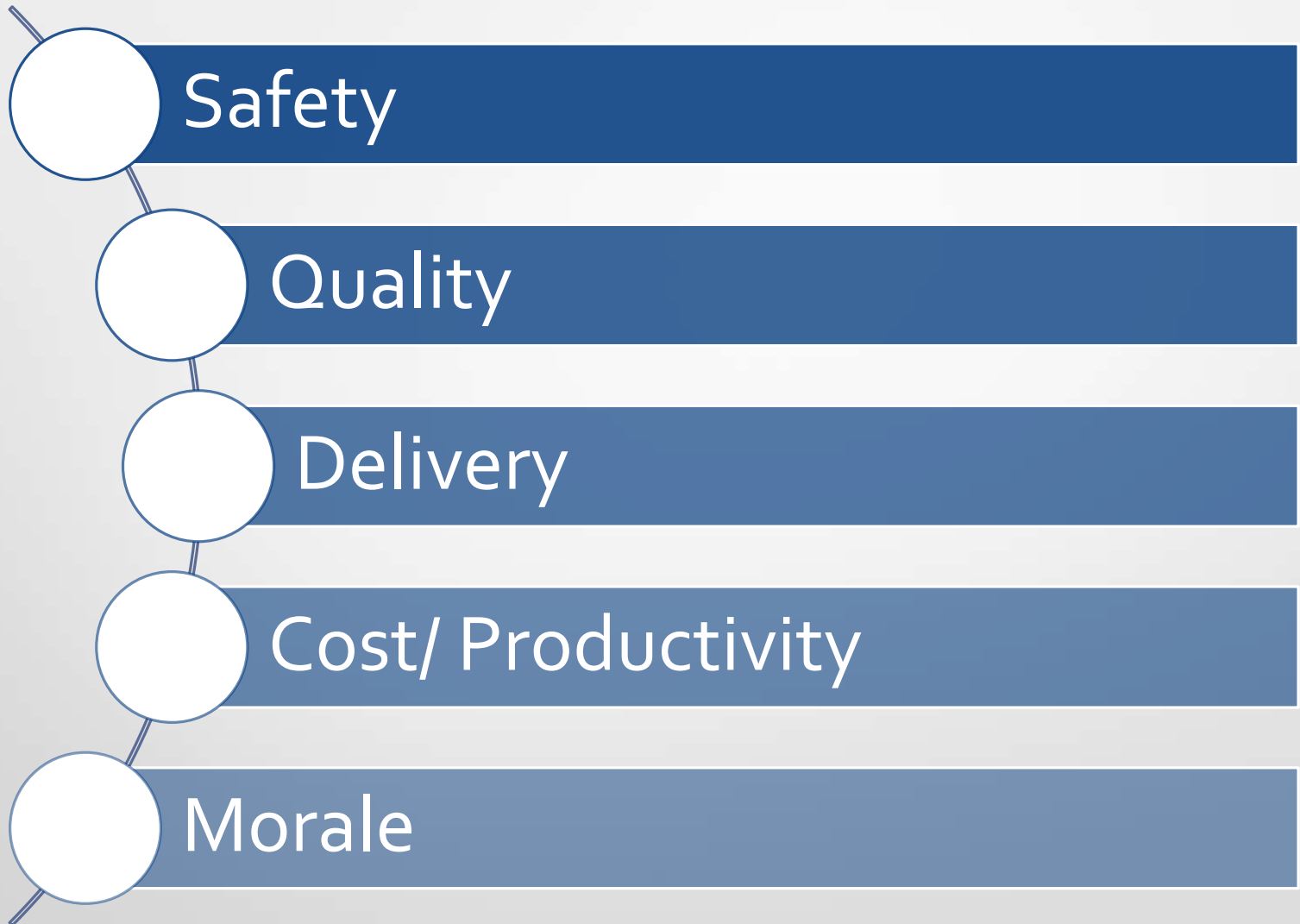
Strategic Planning

- JNM will deliver all programs-on time and cost effective



Supply Chain Management

- We use our company-wide resources and global contacts to provide competitive pricing and quality for your program





5S Methodology



IATF Quality System



7 Steps of Waste Elimination



Dedicated and Product Educated Work Force



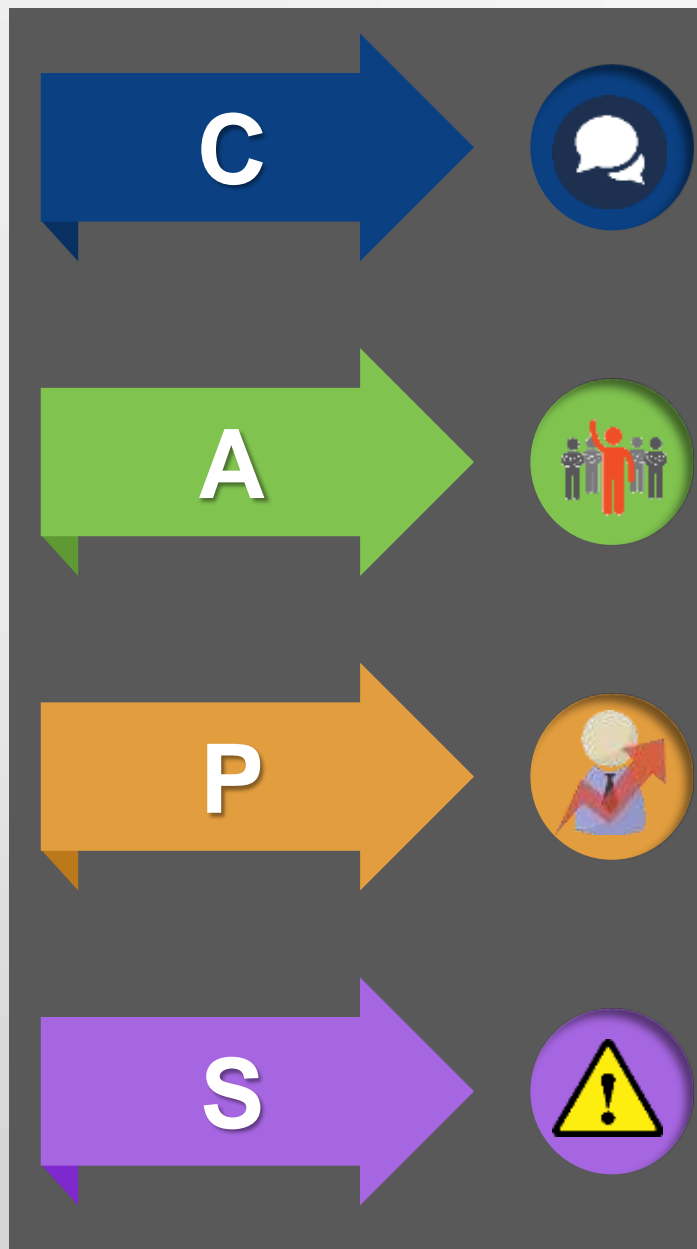
Customer Engaged Supplier base



Lean Manufacturing Principles



Diverse Workforce



COMMUNICATION

ACCOUNTABILITY

PRODUCTIVITY

SAFETY

JNM family working together to create global long-term customer relationships with innovative solutions, one stamping at a time.



Creation of innovative solutions through ingenuity for customer advancement globally: earn employee trust by providing life long opportunities for growth and engagement, earn stakeholders, confidence by providing stability and growth

ONE Team, **ONE** Vision- **ONE** Future



APPENDIX TO CERTIFICATE OF REGISTRATION

intertek
Total Quality Assurance

This is to certify that the quality management system of:

JNM Kentucky LLC

119 Carroll Kniceley Drive, Glasgow, KY, 42341, USA

has been registered by Intertek as conforming to the requirements of:

IATF 16949:2016

Including the Following Support Functions:

3900 Delduca Drive,
Oldcastle, ON, N0R 1L8,
Canada

Sales, Contract Review, Internal Audit Management, Strategic Planning, Management Review, Quality System Management, Warranty Management



Edith H. Brown

Calin Moldoveanu
President, Business Assistance

InterNet, -- 4700 Broadmoor, Suite 200
Kendallville, MI 49512, USA.



By using the services of the certificate, the user agrees to transfer to the issuer the right to use the certificate and the associated data for the purposes of the certificate agreement. The certificate holder is subject to the applicable provisions of the applicable laws and the issuer's responsibility to the certificate holder. The user is not responsible for the certificate holder's use of the certificate for the purposes of the certificate agreement. The certificate holder is responsible for the certificate, in which it must be represented.

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CERTIFICATE OF REGISTRATION

intertek
Total Quality. Assured.

This is to certify that the management system of:

JNM Kentucky LLC

119 Carroll Kricely Drive, Glasgow, KY, 42141, USA

has been registered by Intertek as conforming to the requirements of:

IATF 16949:2016

The management system is applicable to:

Manufacture of Metal Stamping Parts

Permissible exclusions include: Product Design



Chilodora

Calm Moldoveanu
President, Business Insurance

Infantek - 4700 (Broadmont, Suite 201)
Brentwood Mt 45612, USA



In the course of his services, the contractor may be liable to pay some other fee to the client, and/or may be also involved in the agreed upon certificate agreement. The contractor's liability is subject to the agreed upon liability of the client, and/or may be also involved in the agreed upon liability of the client, and/or may be also involved in the agreed upon liability of the client.

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JNM Group of Companies recognizes that the Global Economic Footprint is changing rapidly and efficiency and productivity are the keys to growth and sustainability.

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