

A guide for plating and metal finishing shops

A plating job, from RFQ to certificate

How Fusion Plating runs a plating job inside Odoo, from the quote request to the certificate and the invoice, with the screen for each step.



Contents

The manager's brief is written to be read on its own, in a few minutes. The walkthrough shows every step on the screen where it happens.

1

The manager's brief

What the system is, what it checks, and how a project works.

Fusion Plating at a glance	3
Where a plating job slips today	4
The whole route on one page	5
What the system checks before a part ships	6
Who uses it	7
How a project works with Nexa	7

2

The walkthrough

Each phase, then each step with its whole screen.

1 Quote the work	8
2 Receive and plan	12
3 Plate	17
4 Inspect and certify	22
5 Ship and invoice	26

3

Documents and next steps

The certificate and invoice it prints, common questions and how to book a call.

The documents it produces	29
Questions a manager will ask	31
Next steps	32

Fusion Plating at a glance

Fusion Plating is an ERP for plating and metal finishing shops that runs in Odoo 19, built and supported by Nexa Systems.

It follows each job from the quote through receiving, the tanks, quality and the certificate, to delivery and the invoice.

Who it is for

Electroless nickel plating, metal finishing, coating and surface treating shops that quote from drawings and ship parts with certificates of conformance.

Next step

Book a one-hour call at nexasystems.ca/appointment/1, or call 905-792-0000.

What your shop gets

- ✓ Quotes are priced from surface area, thickness, masking zones, setup and rush, with every line shown.
- ✓ Confirming a plating sales order creates its receiving record and expected quantities, and parts are counted and inspected at racking before they are plated.
- ✓ Work orders come from process recipes with bath, tank, rack, oven, operator and sign-off steps.
- ✓ Bath chemistry is logged by shift against each bath, with pass, warning and failure results.
- ✓ Hydrogen relief bakes run against a deadline from the part's exit time, and a missed window is flagged.
- ✓ Thickness readings go on the certificate of conformance, and an uploaded Fischerscope report is appended to it.

What is included

1 Quote the work
3 steps, page 8

2 Receive and plan
4 steps, page 12

3 Plate
4 steps, page 17

4 Inspect and certify
3 steps, page 22

5 Ship and invoice
2 steps, page 26

How it is delivered

Custom-coded around your process after a first meeting.

Hosted on our own servers in Ontario.

Supported by the team that built it: business hours for everyone, plus an emergency line for hosted clients.

Where a plating job slips today

Each row is a step in the walkthrough, shown on its own screen.

Without a system

With Fusion Plating

Two estimators price the same part differently, because surface area, masking and batch size are hard to price consistently.

The configurator prices from the part's surface area, thickness, masking zones, setup and rush, and shows every line.

1 Step 1.3
Page 11

Parts arrive short or damaged, and it is found once the job is already on the rack.

The racking inspection is recorded for each work order, and a quantity or condition discrepancy is flagged with its resolution.

2 Step 2.2
Page 14

Bath logs live on paper, away from the work orders that ran in the bath.

Every shift's readings are logged against the bath and its targets, with pass, warning and failure results.

3 Step 3.3
Page 20

A high-strength steel part misses its relief bake window, and there is no fix after the fact.

The clock starts when the part leaves the tank, the customer's window sets the deadline, and a recurring check flags a missed window.

3 Step 3.4
Page 21

Certificates are built after the fact, from thickness readings kept somewhere else.

The certificate of conformance is generated from the job with its thickness readings, and an issued certificate is voided only with a recorded reason.

4 Step 4.3
Page 25

A customer on account hold gets another order confirmed and plated.

Orders for a customer company on account hold need a manager override to be confirmed, and the final invoice is made on delivery.

5 Step 5.2
Page 28

The whole route on one page

Five phases, from the quote request to the invoice. Each step is shown on its own screen in the walkthrough.

1 Quote the work		2 Receive and plan		3 Plate		4 Inspect and certify		5 Ship and invoice						
The request, the part and the price, from the drawing to a sales quotation.		Parts are counted in and inspected, and work orders come from the process recipe.		Jobs in the tanks, the bath chemistry behind them and the relief bake after.		Thickness, non-conformances and the certificate of conformance.		Delivery with proof, then the invoice.						
1.1	Log the quote request	9	2.1	Count the boxes in	13	3.1	Watch the tanks	18	4.1	Read the thickness	23	5.1	Deliver the parts	27
Sales office			Shipping and receiving			Operator, Plating manager			Quality			Shipping and receiving		
1.2	Keep the part catalogue	10	2.2	Inspect at racking	14	3.2	Keep the bath in range	19	4.2	Contain a non-conformance	24	5.2	Invoice the order	28
Sales office			Operator			Operator			Quality			Accounting		
1.3	Price the job	11	2.3	Schedule the jobs	15	3.3	Log a chemistry reading	20	4.3	Issue the certificate	25			
Sales office			Plating manager			Operator				Quality				
			2.4	Follow the recipe	16	3.4	Bake inside the window	21						
			Operator			Operator								

Screens show invented data from a demo company.

What the system checks before a part ships

Each check runs inside Fusion Plating at the step shown.



✓ Count and condition at racking

Each work order gets a racking inspection, and a quantity or condition discrepancy is flagged with its resolution recorded.

Checked at step 2.2, page 14

✓ Recipe, bath and tank

Work orders follow the process recipe with its bath, tank, rack and oven, and operators sign off each step.

Checked at step 2.4, page 16

✓ Bath chemistry by shift

Every shift's readings are recorded against the bath's targets, with pass, warning and failure results.

Checked at step 3.3, page 20

✓ The bake window

The relief bake deadline runs from the part's exit time and the customer's window, and a recurring check flags a missed window.

Checked at step 3.4, page 21

✓ Thickness and the first-piece gate

Thickness readings are captured for the job, and Shop Floor includes a first-piece inspection gate.

Checked at step 4.1, page 23

✓ Non-conformance and CAPA

A non-conformance moves through containment, disposition and review, with corrective actions and root causes linked to it.

Checked at step 4.2, page 24

✓ The certificate of conformance

The certificate records the parts, specifications and quantities it covers, and an issued certificate is voided only with a recorded reason.

Checked at step 4.3, page 25

Work orders link to their deliveries, invoices, payments, quality holds and certificates, so the evidence for a job stays with the job.

Who uses it

Enplating is live on the plating ERP (Fusion Plating).

Built for plating shops

Runs inside Odoo 19

It works with Odoo Sales, Purchase, Inventory, Contacts and Employees, so plating work and the rest of the business share one system.

Process packs

Electroless nickel, anodizing, chrome and black oxide process definitions come with their bath readings.

Aerospace, nuclear and defence work

Optional packs keep an AS9100 clause library and Nadcap audit records, nuclear quality programs, and Controlled Goods Program registrations.

Compliance and safety

Permits, discharge samples, waste manifests, spills, safety data sheets and training are kept beside the work, with Ontario and Toronto reference packs.

Moving from paper and spreadsheets

In the first meeting we look at what your current tools do, from spreadsheets to paper travellers, and plan the move.

A Toronto team

Nexa Systems is based in Toronto, Ontario, and builds custom ERP systems and business apps on Odoo.

How a project works with Nexa

1

A first meeting

We map how quoting, receiving, production, quality, certificates, delivery and billing run in your shop today.

2

Built around your process

Every project is custom-coded after that meeting, around the way your plant runs.

3

Hosted in Ontario

Your system runs on our own servers in Ontario.

4

Supported by the team that built it

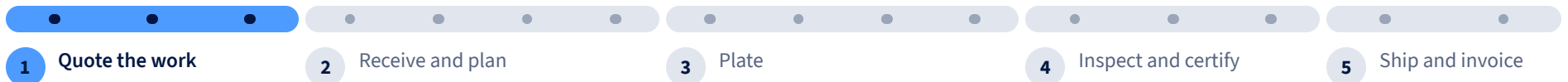
Business hours support for everyone, plus an emergency line for hosted clients.

Fusion Plating is built on Odoo. Every project is custom-coded, so this guide lists no prices.

Quote the work

The request, the part and the price, from the drawing to a sales quotation.

1.1	Log the quote request The request and its drawings sit on one record the estimator works from.	Sales office	9
1.2	Keep the part catalogue Surface area is calculated from the part's catalogue geometry, and a new revision is created from the part.	Sales office	10
1.3	Price the job The configuration becomes a sales quotation, and lines from earlier orders can be reused for a repeat part.	Sales office	11



Plating

Sales

Shop Floor

Logistics

Operations

Inventory

Quality

Compliance

KPIs

Configuration

1

Brightline Metal Finishing

A

New

Quote Requests

RFQ/2026/0001

1 / 1

Send Quote

Mark Expired

New

Under Review

Quoted

Accepted

Send message

Log note

Activity

1

0

Reference

RFQ/2026/0001

Customer

Northline Aerospace Components, Ha...

Quantity

250

Contact Name

Hannah Lowry

Target Delivery

Contact Email

hannah.lowry@northline-demo.example

Requested Processes

Electroless Nickel - Mid Phospho... X

Contact Phone

Currency

CAD

Company

Northline Aerospace Components

Quoted Price

\$ 0.00

Quoted By

Quote Sent

Customer Responded

Shipping Address

Billing Same as Shipping

Part Lines

Part Description

Special Instructions

Attachments

Internal Notes

Part	Part Number	Quantity	Count	Description	Files
	NAC-52210-...	250	1	Hydraulic Manifold Block, 6061-T6 aluminium	NAC-522... PDF

Add a line

Today

A

Alex Moreau

5:07 PM

New → Under Review (Status)

H

Hannah Lowry

5:07 PM

Fusion Plating - Quote Request created

1 Step 1.1 of 16

Log the quote request

Sales office

What happens

A quote request holds the customer, the requested process and the part lines with their drawings.

What it saves you

The request and its drawings sit on one record the estimator works from.

A plating job, from RFQ to certificate

The walkthrough: Quote the work

9

PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

NewPart CatalogNAC-41872-03 (Rev C) - Actuator Ho...

Customer

Quotes1

Descriptions2

Process

Contract Review

1 / 1

<

>

Create New Revision

Part Number ?
NAC-41872-03

IDENTITY

Part NameActuator Housing, Landing Gear

CustomerNorthline Aerospace Components

Revision ?C

HS Code ?

MANUFACTURING DEFAULTS

Material ?Aluminium 7075

Default Lead Time (days) ?7

Certificate Requirement ?Inherit from Customer

Last Unit Price ?38.50

Last Price OrderQ202610-212

Last Price DateSep 18, 2:10 PM

Spec

Process

Dimensions & Complexity

Attachments

Descriptions

Notes

Contract Review

Geometry SourceManual Measurements

SURFACE & WEIGHT

Surface Area48.6000

Surface Area UoMsq in

Masking Area (sq in) ?3.2000

Effective Plating Area (sq in) ?45.4000

BOUNDING BOX

Length6.2500

Width3.1000

Height2.4000

1 Step 1.2 of 16

Keep the part catalogue

Sales office

What happens

Each customer part is kept with its revision, material, surface area, masking area and last price.

What it saves you

Surface area is calculated from the part's catalogue geometry, and a new revision is created from the part.

A plating job, from RFQ to certificate

The walkthrough: Quote the work

10

PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

NewQuote ConfiguratorCFG-00002

PartKH-3105-VB (Rev A) - Valve Body, Directional

1 / 1

Add to Direct OrderRecalculateSave to CatalogMark as LostMark as ExpiredCancel

Draft

Surface Area	56.8000	Delivery Method	Shipping Partner
Area UoM	sq in	Shipping Fee	\$ 0.00
Masking Area (sq in) ?	4.5000	Delivery Fee	\$ 0.00
Effective Plating Area ?	52.3000		
Requested Thickness	1.0000		
Material ?	Steel 4140		
Masking Zones	5		
Turnaround (days)	3		

PRICING

Calculated Price	\$ 3,571.20	Final Price ?	\$ 3,575.00
Item		Amount	
Base (Per Square Inch)		\$19.81 x 120	
Masking (5 zones)		\$70.00	
Setup Fee (x4 batches)		\$300.00	
Rush Surcharge (30%)		\$824.12	
Total		\$3571.20	

Rule: EN Mid-Phos, Steel, Commercial (seq 10)

Sale Order

Win / Loss

Notes

1 Step 1.3 of 16

Price the job

Sales office

What happens

The configurator prices the job from surface area, thickness, masking zones, setup and rush, with every line shown.

What it saves you

The configuration becomes a sales quotation, and lines from earlier orders can be reused for a repeat part.

A plating job, from RFQ to certificate

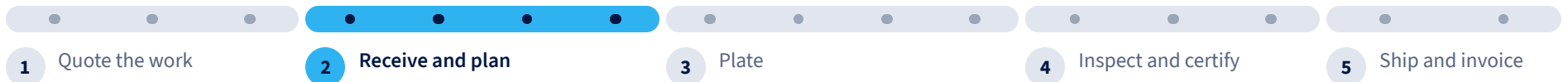
The walkthrough: Quote the work

11

Receive and plan

Parts are counted in and inspected, and work orders come from the process recipe.

2.1	Count the boxes in Damage is recorded with its severity, photographs, required action and the customer's response.	Shipping and receiving	13
2.2	Inspect at racking A quantity or condition discrepancy is flagged before plating, and its resolution is recorded.	Operator	14
2.3	Schedule the jobs A manager claims an order and confirms its draft plating jobs from one planner.	Plating manager	15
2.4	Follow the recipe Operator time is recorded against each step, including pauses, and finishing a step moves the job to the next one.	Operator	16



PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

NewReceivingRCV-30003

Outbound Shipment0Boxes2WO1

1 / 1<>

Close ReceivingCancel ReceivingExternal StickerInternal StickerAwaiting PartsCountedClosed

Send messageLog noteActivity

100

Receiving = box count only. Count the boxes the truck dropped off, set the number below, and stage them for racking. The racking crew opens the boxes and inspects each part - click **Racking Inspections** above to jump straight to the open inspection for this SO.

RCV-30003

Sale OrderSO-30003

CustomerNorthline Aerospace Components

Customer PO #PO-449015

BOX COUNT

Boxes Received ?2

RECEPTION

Received ByAlex Moreau

Received DateOct 6, 5:08 PM

Outbound Carrier ?

Inbound Tracking #DEMO-4471-0932

Receiving Lines

Damage Log

Photos

Notes

Part Number	Description	Expecte...	Receive...	Condition	Notes
NAC-52004-02	[FP-SERVICE] Electroless Nickel Plating Service	24	24	Good	
Add a line					

Today

Alex Moreau5:08 PM

Awaiting Parts → Counted (Status)

Alex Moreau5:08 PM

Alex Moreau counted 2 box(es) at receiving.

2 Step 2.1 of 16

Count the boxes in

Shipping and receiving

What happens

Confirming the sales order creates the receiving record and expected quantities. Receiving records the box count and marks the record counted.

What it saves you

Damage is recorded with its severity, photographs, required action and the customer's response.

A plating job, from RFQ to certificate

The walkthrough: Receive and plan

13

Plating

Sales

Shop Floor

Logistics

Operations

Inventory

Quality

Compliance

KPIs

Configuration

1

Brightline Metal Finishing

A

New

Racking Inspection

Inspection - WO-30003

1 / 1

<

>

Reopen

Draft

Inspecting

Done

Discrepancy Flagged

Send message

Log note

Activity

🔍📎👤⁰

Inspection - WO-30003

Work OrderWO-30003

Sale OrderSO-30003

Source Receiving ?RCV-30003

CustomerNorthline Aerospace Components

InspectorAlex Moreau

Inspection StartedOct 6, 5:08 PM

Inspection CompletedOct 6, 5:08 PM

Inspection Lines

Notes

Summary

Part	Part #	Rev	Expected	Counted	Δ	Condition	Notes
⋮ NAC-52004-02 (R...	NAC-520...	B	24	24	0	OK	0 Threads cl...

Today

A

Alex Moreau 5:08 PM

Inspection completed - 1 ok / 0 flagged.

A

Alex Moreau 5:08 PM

Inspection started by Alex Moreau.



2 Step 2.2 of 16

Inspect at racking

Operator

What happens

The racking crew runs the racking inspection for the work order and records its completion.

What it saves you

A quantity or condition discrepancy is flagged before plating, and its resolution is recorded.

PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

Job Planner

9

TO SCHEDULE

0

SCHEDULED TODAY

0

ON HOLD

2

UNASSIGNED

1

OVERDUE

Manager

Timeline

Scan QR

Enter Code

Search WO #, customer, part #, PO...

AllOverdueDue TodayDue This WeekUnassigned

TO SCHEDULE3

NO PARTS

WO-30007

Due Oct 13 · 12d

#ADS-77455 Rev B

Qty 250

Racking

Not racked

assign...

READY

WO-30014

Due Oct 04 · 3d

#KH-2210-PST Rev D

Qty 36

De-racking

Not racked

assign...

READY

WO-30015

Due Oct 05 · 4d

#NAC-52004-02 Rev B

Qty 12

De-racking

Not racked

assign...

SCHEDULED2

Tomorrow

NO PARTS

WO-30003

Due Oct 10 · 9d

#NAC-52004-02 Rev B

Qty 24

Blasting

Not racked

Oct 2 · 07:00 - ~07:05 Marco Ventresca

NO PARTS

WO-30005

Due Oct 07 · 6d

#KH-3105-VB Rev A

Qty 35

Blasting

Not racked

Oct 2 · 09:30 - ~09:35 Jenna Wilkes

RUNNING6

ACTIVE

WO-30011

Due Oct 08 · 7d

#GHF-8814 Rev G

Qty 16

Racking

Not racked

Dev Arora

ACTIVE

WO-30008

Due Sep 30 · 1d late

#BVF-1200-SS Rev C

Qty 80

Cleaner

Not racked

Dev Arora

ACTIVE

WO-30001

Due Oct 03 · 2d

#NAC-41872-03 Rev C

Qty 40

De-racking

Not racked

Marco Ventresca

WO-30004

Due Oct 02 · tomorrow

#KH-2210-PST Rev D

Qty 60

ON HOLD0

2 Step 2.3 of 16

Schedule the jobs

Plating manager

What happens

Work orders move from to schedule, to scheduled, to running, with part numbers, due dates and operators.

What it saves you

A manager claims an order and confirms its draft plating jobs from one planner.

A plating job, from RFQ to certificate

The walkthrough: Receive and plan

15

PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

NewWork OrdersWO-30001

Sale Order1

Steps5

Delivery1

Portal Job1

1 / 1<>

Cancel

Finish & Next

...

Received

In Progress

Inspected

Done

...

Send message

Log note

Activity

WO-30001

CustomerNorthline Aerospace Components

PartNAC-41872-03 (Rev C) - Actuator H...

Job Sort ?Type to create a new bucket...

Process RecipeENP-ALUM-BASIC

Quantity40.00

Qty Done0.00

PriorityHigh

DeadlineOct 3, 4:00 PM

Planned Start

Actual StartSep 28, 9:00 AM

Actual Finish

FacilityToronto Plant

Plating ManagerAlex Moreau

Steps

Move Log

Time Logs

Source

Notes

Costs

	Name	Work Cen...	State	Assigned ...	Expected M...	Running Min	Actual Minu...	Qty Here	Proce
	Racking	Racking S...	Done	Dev Arora	25.00	23.00	23.00	0	
	Ready for ...	EN Line 1	Done	Jenna Wil...	5.00	5.00	5.00	0	
	E-Nickel P...	EN Line 1	Done	Marco Ve...	95.00	100.70	100.70	0	
	De-racking	De-Racking	In Progr...	Dev Arora	15.00	0.00	0.00	40	Running -
	Post-plate...	Final Insp...	Pending		20.00	0.00	0.00	0	
Add a line									

Oct 1, 2026

OdooBot

 Oct 1, 3:47 AM
Started step "De-racking".

OdooBot

 Oct 1, 3:47 AM
Finished step "E-Nickel Plating".

OdooBot

 Oct 1, 3:47 AM
Finished step "Ready for processing".

OdooBot

 Oct 1, 3:47 AM
Finished step "Racking".

OdooBot

 Oct 1, 3:47 AM
Plating Manager auto-set on confirm: OdooBot OdooBot OdooBot OdooBot OdooBot

2 Step 2.4 of 16

Follow the recipe

Operator

What happens

The work order's steps come from its process recipe, with work centres, operators and expected against actual minutes.

What it saves you

Operator time is recorded against each step, including pauses, and finishing a step moves the job to the next one.

Plate

Jobs in the tanks, the bath chemistry behind them and the relief bake after.

3.1	Watch the tanks Operators see their next-up work, and a scanned tank, bath or job code opens the right record.	Operator Plating manager	18
3.2	Keep the bath in range A bath moves through operational, review and dump stages, and its history stays with the tank.	Operator	19
3.3	Log a chemistry reading Each result is marked pass, warning or failure, and chemical additions are deducted from stock.	Operator	20
3.4	Bake inside the window A recurring check flags a missed window, and the start and completion of each bake are recorded.	Operator	21



PLATING BOARD Brightline Metal Finishing · Wet Line · Thursday October 1

 Search WO, customer, SO, or exact qty.

 Scan QR

 Hand Off

Shop time **10:35:04 AM**



In tanks **3**

Pull now **0**

Check soon **0**

Overdue **2**

Bake due **1**

Missed bake **0**

Incoming **4**

Ready to ship **0**

Job Sorts **0/0**

INCOMING JOBS **4** received, not yet in a tank

Start Racking

IN THE TANKS **0** loads · **3** jobs one clock per load, pull each job as its ETA lands · pulled jobs move to Baking

Start Load

▼ **NOT ON A LOAD** **3**

Start Load

JOB	CUSTOMER · PART	QTY	BAND MIN · AIM · MAX	EST / PULL AT	STATUS	ACTIONS
WO-30004  Recipe 00:38:04	Kestrel Hydraulics Ltd. · KH-2210-PST Kestrel Hydraulics Ltd. · 0.0008-0.0012"	60	.0008 .0012	aim 0.00100"	Ready For Steel Line	Pause Move Parts Finish Start Load
WO-30008  Recipe 01:12:04	Bayfront Valve & Fitting · BVF-1200-SS Bayfront Valve & Fitting · 0.001-0.0015"	80	.0010 .0015	aim 0.00125"	Cleaner	Pause Move Parts Finish Start Load
WO-30002  Recipe 00:21:04	Northline Aerospace Components · NAC-41890-11 Northline Aerospace Components · 0.0003-0.0005"	120	.0003 .0005	aim 0.00040"	Ready for processing	Pause Move Parts Finish Start Load



3 Step 3.1 of 16

Watch the tanks

OperatorPlating manager

What happens

The plating board shows every job in the tanks with its thickness band and timer.

What it saves you

Operators see their next-up work, and a scanned tank, bath or job code opens the right record.

New Baths BATH/2026/00004 (EN_MP) @ T-07

Logs 14

1 / 1

Flag for Review Schedule Dump New Operational Under Review Dump Scheduled Dumped Send message Log note Activity

Reference

BATH/2026/00004

Tank T-07 - EN Mid-Phos Line 2 Makeup Date ? Sep 10, 7:30 AM
 Process Electroless Nickel - Mid Phosphorus (6-9%... Made Up By Dev Arora
 Facility Toronto Plant MTO ? 4.53 turnovers
 Volume ? 2,200.00 L Last Log Date Oct 1, 9:27 AM
 Last Log Status OK

Target Ranges Chemistry Logs Notes

Reference	Logged At	Operator	Shift	Status
T-07/1001-13	Oct 1, 9:27 AM	Jenna Wilkes	Day	OK
T-07/1001-12	Oct 1, 1:30 AM	Dev Arora	Night	Out of Spec
T-07/0930-11	Sep 30, 5:30 PM	Marco Ventresca	Evening	OK
T-07/0930-10	Sep 30, 9:59 AM	Jenna Wilkes	Day	OK
T-07/0930-09	Sep 30, 1:54 AM	Dev Arora	Night	OK
T-07/0929-08	Sep 29, 5:20 PM	Marco Ventresca	Evening	OK
T-07/0929-07	Sep 29, 9:17 AM	Jenna Wilkes	Day	Warning
T-07/0929-06	Sep 29, 1:28 AM	Dev Arora	Night	OK
T-07/0928-05	Sep 28, 5:34 PM	Marco Ventresca	Evening	OK
T-07/0928-04	Sep 28, 9:51 AM	Jenna Wilkes	Day	OK

The conversation is empty.

Step 3.2 of 16

Keep the bath in range

Operator

What happens

Every bath is kept with its tank, volume, metal turnovers and a log of chemistry readings by shift.

What it saves you

A bath moves through operational, review and dump stages, and its history stays with the tank.

New Bath Logs
BATH/2026/00004 - 2026-10-01 1:30 AM

1/1

T-07/1001-12

Bath BATH/2026/00004 (EN_MP) @ T-07

Logged At Oct 1, 1:30 AM

Tank T-07 - EN Mid-Phos Line 2

Operator Dev Arora

Process Electroless Nickel - Mid Phosphorus (6-9% P)

Shift Night

Status Out of Spec

Readings Notes

Parameter	Value	Unit	Target Min	Target Max	Status	Notes
Nickel Concentration	5.31	g/L	5.50	6.50	Out of Spec	
Sodium Hypophosphite	28.22	g/L	25.00	30.00	OK	
pH	4.85	pH	4.50	5.20	OK	
Bath Temperature	86.53	°C	85.00	92.00	OK	
Metal Turnovers	4.42	MTO (metal turnover)	0.00	8.00	OK	
Orthophosphite (HPO3)	119.60	g/L	0.00	200.00	OK	
Stabilizer	1.84	ppm	1.00	5.00	OK	
Add a line						



3 Step 3.3 of 16

Log a chemistry reading

Operator

What happens

Each log records nickel concentration, reducing agent, orthophosphite, pH, temperature and metal turnovers against the bath's targets.

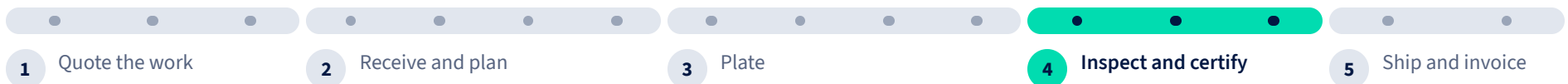
What it saves you

Each result is marked pass, warning or failure, and chemical additions are deducted from stock.

Inspect and certify

Thickness, non-conformances and the certificate of conformance.

4.1	Read the thickness	Quality	23
An uploaded Fischerscope PDF is appended to the certificate.			
4.2	Contain a non-conformance	Quality	24
Corrective actions, root causes and effectiveness checks are linked to the non-conformance.			
4.3	Issue the certificate	Quality	25
It opens the batches and chemistry logs behind it, and an email to the customer's contacts is prepared with the PDF attached.			



PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

1

2

3

Brightline Metal Finishing

A

Signed in Alex Moreau5:13 PM

WAITING FOR THICKNESS

1

Scan or type a work order

Open

WO-30006

Enter reading

Arcadia Defence Systems · ADS-77310 · 18 parts · due 2026-10-05

1 Work order

WO-30006

2 Thickness

0.0023 to 0.0027 in

Arcadia Defence Systems does not receive the XRF report. Check the parts on the XRF and enter what you read.

Single value

Range

0.0023 to 0.0027 in

Continue

Have a report? Attach it instead

Within the specified 0.0020 to 0.0030 in ✓

3 Review and submit

RECORDED, STILL OPEN 0

SHOW

A recorded work order drops to the small list at the bottom left, where it stays open for changes until it ships or closes. A recorded thickness goes on the work order and, when a report is attached, onto the certificate.

Read the thickness

Quality

What happens

Thickness readings are entered for the job, or an instrument report is uploaded and parsed.

What it saves you

An uploaded Fischerscope PDF is appended to the certificate.

A plating job, from RFQ to certificate

The walkthrough: Inspect and certify

23

 CAPAs
0

1 / 1 < >

Reset to Draft

Open

Containment

Disposition

➤ Closed

Send message

Log note

Activity

🔍 📎 👤⁰

NCR-2026-0042

Disposition Rework

TAGS

Adhesion ✕

Customer impact X

CAPAs

Blistering at the datum face edge on 14 brackets. Adhesion tape test failed on 2 of 5.

The conversation is empty.

Contain a non-conformance

Quality

Non-conformances are tracked from containment to disposition, tied to the part, lot and bath.

Corrective actions, root causes and effectiveness checks are linked to the non-conformance.

PlatingSalesShop FloorLogisticsOperationsInventoryQualityComplianceKPIsConfiguration

New

Certificates of Conformance

CoC-30013

Work Order

WO-30013

1 / 1

Print

Void

Send to Customer

Reset to Draft

Draft

Issued

SPC - STATISTICAL PROCESS CONTROL

Spec Min (mils)0.8000

Spec Max (mils)1.2000

Min Reading0.9560

Max Reading1.0470

Std Dev (mils)0.0277

Cpk2.341

Cpk StatusExcellent

Trend AlertOK

Parts

Thickness Readings

Certificate PDF

Thickness Report (Fischerscope)

Notes

Thickness Report Not Required

Reading #	NiP (mils)	Ni %	P %	Position	Equipment	Operator	Reading Date/Time	
1	1.0470	89.320	11.0700	Face A	XRF Station 1	Alex Moreau	Sep 27, 7:31 AM	
2	0.9820	89.240	10.4500	Face B	XRF Station 1	Alex Moreau	Sep 27, 7:27 AM	
3	1.0140	88.810	10.8600	Bore ID	XRF Station 1	Alex Moreau	Sep 27, 7:23 AM	
4	0.9900	89.140	10.7100	Flange	XRF Station 1	Alex Moreau	Sep 27, 7:19 AM	
5	0.9740	89.270	10.8900	Edge 1	XRF Station 1	Alex Moreau	Sep 27, 7:15 AM	
6	1.0050	89.230	10.8300	Edge 2	XRF Station 1	Alex Moreau	Sep 27, 7:11 AM	
7	0.9560	89.120	10.9900	Boss	XRF Station 1	Alex Moreau	Sep 27, 7:07 AM	
8	0.9880	88.940	11.0400	Datum C	XRF Station 1	Alex Moreau	Sep 27, 7:03 AM	

Add a line

4 Step 4.3 of 16

Issue the certificate

Quality

What happens

The certificate records the parts, specifications and quantities it covers, with its thickness readings.

What it saves you

It opens the batches and chemistry logs behind it, and an email to the customer's contacts is prepared with the PDF attached.

A plating job, from RFQ to certificate

The walkthrough: Inspect and certify

25

Ship and invoice

Delivery with proof, then the invoice.

5.1	Deliver the parts Proof of delivery captures the recipient's signature, photographs, location and time, with a chain-of-custody history.	Shipping and receiving	27
5.2	Invoice the order Each customer's invoice strategy, from deposit to net terms, is applied to its orders, and invoice notifications go out by email.	Accounting	28



Plating

Sales

Shop Floor

Logistics

Operations

Inventory

Quality

Compliance

KPIs

Configuration

1

🕒

✖

Brightline Metal Finishing

A

New

Deliveries

DLV-30012

⚙

📄

Packing List

1 / 1

<

>

Create POD

🖨

Print Packing Slip

Draft

Scheduled

En Route

Delivered

Send message

Log note

Activity

🔍

📎1

👤0

Reference

DLV-30012

CUSTOMER

CustomerNorthline Aerospace Components

Delivery Address ?Northline Aerospace Components

Contact NameShipping and Receiving

Contact Phone+1 905-555-0161

Job Reference ?WO-30012

SCHEDULE

Scheduled DateSep 26, 11:30 AM

Source FacilityToronto Plant

Delivered AtSep 26, 12:10 PM

OUTBOUND SHIPPING

Fulfillment Method ?Local Delivery

Outbound Carrier ?

Certificate of Conformance

Packing ListPacking Slip - DLV-30012.pdf

Proof of Delivery

Notes

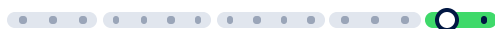
Chain of Custody

Oct 1, 2026

OdooBot

Oct 1, 12:47 PM

Packing slip generated and attached.



5 Step 5.1 of 16

Deliver the parts

Shipping and receiving

What happens

Finished parts are scheduled for delivery, and the outcome is recorded as delivered, refused or returned.

What it saves you

Proof of delivery captures the recipient's signature, photographs, location and time, with a chain-of-custody history.

New SO-30012
IN-30012 (PO-447960) ⚙

Sale Orders
1

1 / 1 < >

Send Print Pay Preview Credit Note Reset to Draft

Draft Posted

Send message Log note Activity

🔍 📎 👤 1

Customer Invoice

IN-30012

Customer Northline Aerospace Components
6750 Ironbridge Way, Unit 12
Mississauga ON L4V 0X0
Canada

Invoice Date Oct 6
Payment terms 30 Days
Currency CAD

Invoice Lines Other Info

Product	Quantity	Price	Taxes	Amount
[FP-SERVICE] Electroless Nickel Plating Service	25.00	38.50	13% HST	\$ 962.50
Terms and Conditions				Untaxed Amount: \$ 962.50
				HST 13%: \$ 125.13
				Total: \$ 1,087.63
				Amount Due: \$ 1,087.63

Today

Alex Moreau 5:12 PM

Subject: Invoice IN-30012 - Brightline Metal Finishing

BRIGHTLINE METAL FINISHING

Invoice Ready

Hi Northline Aerospace Components, please find invoice IN-30012 attached.

INVOICE	DETAIL
Invoice Number	IN-30012
Source Order	SO-30012
Invoice Date	Oct 6, 2026
Due Date	Nov 5, 2026
Amount Due	\$ 1,087.63

Payment: Please remit by the due date. Reference invoice number IN-30012 on your payment.

Best regards,
Alex Moreau
Brightline Metal Finishing



5 Step 5.2 of 16

Invoice the order

Accounting

What happens

The final progress or net-terms invoice is created on delivery, once the shipping check allows it.

What it saves you

Each customer's invoice strategy, from deposit to net terms, is applied to its orders, and invoice notifications go out by email.

Certificate of conformance

The bilingual certificate of conformance, generated from the job,
with its Fischerscope XRF thickness report.



85 Anvilstone Road | Toronto | ON | M9W 0X0
Tel: +1 905-555-0188

Certificate of Conformance / Certificat de Conformité

CoC-30012

Customer Name / Nom du client: Northline Aerospace Components Customer Address / Adresse du client: 6750 Ironbridge Way, Unit 12 Mississauga, Ontario L4V 0X0	Contact Name / Nom du contact: Hannah Lowry Customer Email / Courriel: hannah.lowry@northline-demo.example Customer Phone / Téléphone: -
--	---

Date of Certification / Date du certificat	Generated By / Créé par	Work Order # / Bon de travail
09/25/2026	Priya Natarajan	WO-30012

Part Number / No. de pièce Description / Description Serial Number / Numéro de série	Process / Procédé	Customer PO / Bon de commande	Shipped / Expédié	NC Qty / Qté NC	Customer Job No. / Bon de travail client
NAC-41872-03 Rev C Actuator Housing, Landing Gear -	Electroless Nickel, Mid-Phosphorus, 0.0005- 0.0007 in NPS-4410 Rev D	PO-447960	25	0	-

Plating thickness / Epaisseur du placage: 0.00055 to 0.00062 in (XRF report, 8 readings, mean 0.00059 in)

Fischerscope XRF Thickness Report / Rapport d'épaisseur Fischerscope XRF				
Equipment / Équipement	XRF Station 1		Calibration Std. / Étalon	CAL-STD-0042
Product / Produit	-		Operator / Opérateur	Jenna Wilkes
Application / Application	-		Measured / Mesuré le	-
Directory / Répertoire	-		Measuring Time / Durée de mesure	-
#	NiP (mils)	Ni %	P %	
1	0.5740	91.800	8.490	
2	0.5750	91.590	8.070	
3	0.6150	91.360	8.670	
4	0.5500	91.690	8.580	
5	0.5970	91.580	8.650	
6	0.5500	91.540	9.040	
7	0.6240	91.620	8.120	
8	0.6040	91.590	8.310	
Mean / Moyenne	0.5861	91.596	8.491	
Std Dev / Écart-type	0.0283	0.125	0.319	
CoV (%)	4.82	0.14	3.76	
Range / Étendue	0.0740	0.440	0.970	
N	8	8	8	

Certified By / Certifié par: Name / Nom: Priya Natarajan	Certification Statement / Énoncé de conformité This is to certify that the items listed herein have been processed, inspected and tested in accordance with your Purchase Order, drawings and specification requirements. All chemistry used in this order is Made in Canada. There is no Mercury used in the processing of this order. <i>Ceci est pour certifier que les articles inscrits ont été procédés, inspectés et mis à l'essai selon votre bon de commande, dessins et spécifications. Tous les produits chimiques utilisés dans cette commande sont fabriqués au Canada. Il n'y a pas de mercure dans les procédés de fabrication de cette commande.</i>
---	---

Fusion Plating by Nexa Systems



85 Anvilstone Road | Toronto | ON | M9W 0X0
Tel: +1 905-555-0188

Invoice / Facture

IN-30012

Billing Address / Adresse de facturation	Delivery Address / Adresse de livraison
Northline Aerospace Components 6750 Ironbridge Way, Unit 12 Mississauga ON L4V 0X0 Canada +1 905-555-0130 purchasing@northline-demo.example	Northline Aerospace Components 6750 Ironbridge Way, Unit 12 Mississauga ON L4V 0X0 Canada +1 905-555-0130

Invoice Date <i>Date de facture</i>	Payment Due Date <i>Date d'échéance de paiement</i>	Delivery Method <i>Méthode de livraison</i>	Customer PO # <i>N° de B/C client</i>	Payment Terms <i>Modalités de paiement</i>
10/06/2026	11/05/2026	-	PO-447960	30 Days

Part Number / N° de pièce	Description / Description	Qty <i>Qté</i>	UOM <i>UDM</i>	Unit Price <i>Prix unitaire</i>	Amount <i>Montant</i>
Part #: NAC-41872-03 (Rev C) Name: Actuator Housing, Landing Gear S/N:-		25	Units	\$ 38.50	\$ 962.50

Subtotal / Sous-total	\$ 962.50
Taxes / Taxes	\$ 125.13
Grand Total / Total général	\$ 1,087.63

Questions a manager will ask

Is a plating shop using it today?

Yes. Enplating is live on the plating ERP (Fusion Plating).

Does it help with aerospace quality work?

The aerospace pack keeps an AS9100 clause library and records Nadcap audits, auditor details, non-conformances and accreditation dates.

How are discharge limits handled?

Discharge sample results are compared with configured limits, and the Toronto pack loads reference tables of sanitary and storm sewer discharge limits.

Where is our data kept?

On our own servers in Ontario.

Does it handle electroless nickel chemistry?

Yes. The electroless nickel pack covers low, mid and high phosphorus, PTFE composite, nickel-boron and nickel strike, with their bath readings.

Can our customers follow their jobs?

Yes. The customer portal shows their jobs through received, processing, quality, ready and shipped stages, with shipment tracking numbers and invoice references.

Can it replace our spreadsheets and paper travellers?

Fusion Plating puts quoting, production, chemistry, quality, certificates, logistics, billing and dashboards in one Odoo system. In the first meeting we look at what your current tools do and plan the move.

Who do we call when something goes wrong?

The team that built your system: business hours for everyone, plus an emergency line for hosted clients.

Next steps

- 1

Book a call

Scan the code or go to nexasystems.ca/appointment/1 to book a one-hour consultation.
- 2

Bring a job

Bring one real job, its drawing and its spec, and walk us through how it moves through your shop today.
- 3

See it on a demo system

We walk through the steps in this guide on the demo company, with your shop in mind.

Or call 905-792-0000 during business hours.



nexasystems.ca/appointment/1

Notes for the first meeting



See it on a demo system

Book a call

nexasystems.ca/appointment/1

Phone

905-792-0000

Web

nexasystems.ca

Location

Toronto, Ontario



Nexa Systems Inc. is wholly Canadian owned. It builds custom ERP systems and business apps on Odoo and hosts them on its own servers in Ontario. Screens and documents in this guide show invented data from a demo company.