

Real solutions  
are waiting for you

# Ready for delivery



Ask about  
new pricing

New machines  
added  
12.4.19

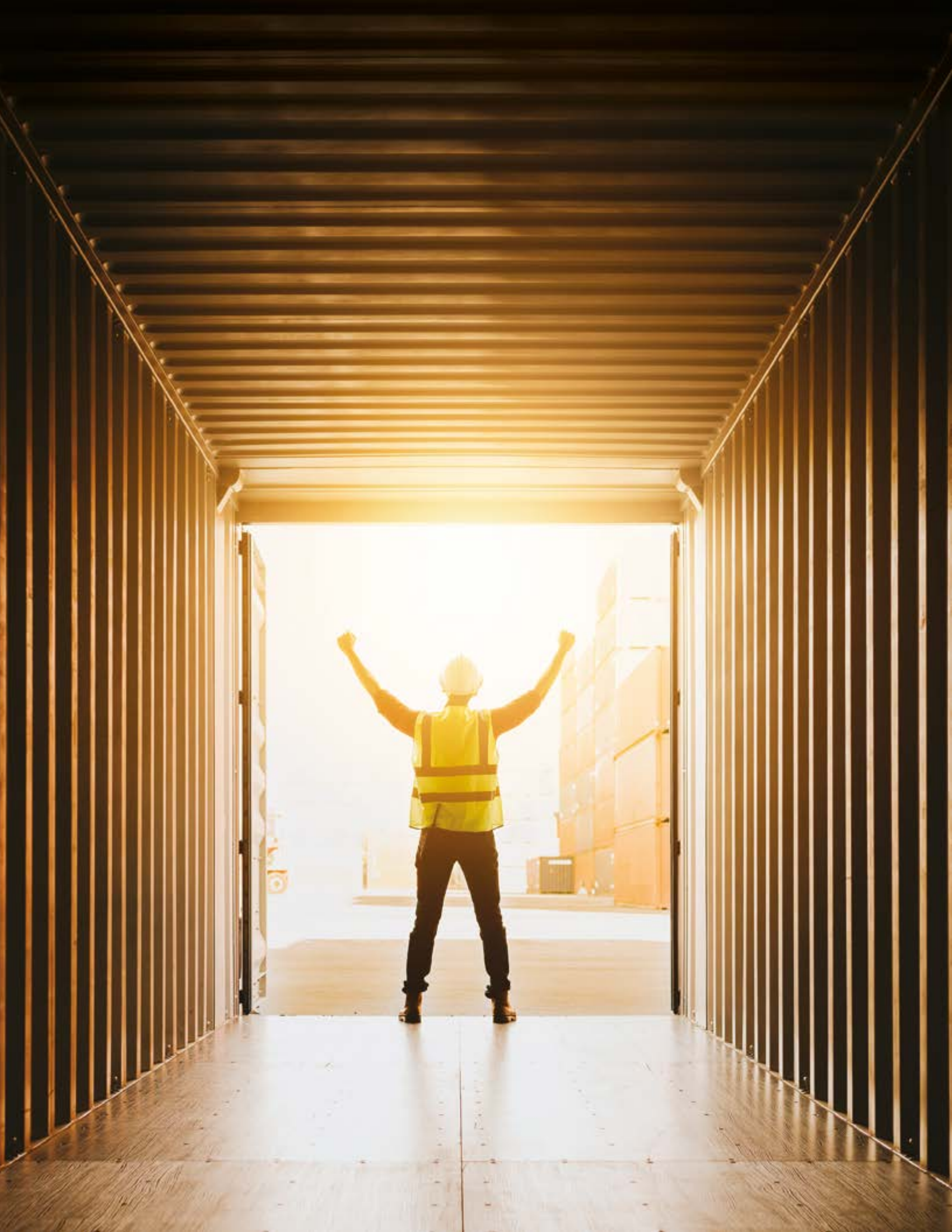
# Trucks are ready: Get a real solution delivered to your door

Our new, used, and demo machines, as well as technical solutions, are loaded and ready for fast delivery to your door. Act today and take your business to the next level with real machining solutions supported by the expertise that only a technology pioneer like GF Machining Solutions can provide.



**Valid between October 15 - December 31, 2019**  
**Start your engine: Get in touch with us today!**





# Our solutions

## Milling

### Mikron MILL P 800 U ST



Reference No. 107.102.00.0002	Factory rebuilt machine
Spindle rpm:	20,000 rpm (HSK-A63)
Number of axes:	5
Tool magazine:	210 tools
Machine location:	Switzerland
Available from:	Q2 2020 Delivery
Warranty:	One year
Year of manufacture:	2016

### Mikron HSM 500 Graphite



Reference No. 107.92.00.903	Demo machine
Spindle rpm:	42,000 rpm (HSK-E40)
Number of axes:	3
Tool magazine:	36 tools
Machine location:	California
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2019

### Mikron MILL P 800 U



Reference No. 107.105.00.009	Demo machine
Spindle rpm:	20,000 rpm (HSK-A63)
Number of axes:	5
Tool magazine:	120 tools
Machine location:	California
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

**SOLD**

### Mikron MILL P 900



Reference No. 107.101.20.0033	Demo machine
Spindle rpm:	20,000 rpm (HSK-A63)
Number of axes:	3
Tool magazine:	30 tools
Machine location:	Illinois
Available from:	Immediately
Warranty:	TBD*
Year of manufacture:	2017

**Mikron  
MILL P 900**



Reference No. 107.124.20.0011	Demo machine
Spindle rpm:	20,000 rpm (HSK-A63)
Number of axes:	3
Tool magazine:	30 tools
Machine location:	Massachusetts
Available from:	Immediately
Warranty:	TBD*
Year of manufacture:	2016

**Mikron  
MILL S 600 U**



Reference No. 107.124.20.0016	Used machine
Spindle rpm:	42,000 rpm (HSK-E40)
Number of axes:	5
Tool magazine:	60 tools
Machine location:	Illinois
Available from:	Immediately
Warranty:	TBD*
Year of manufacture:	2017

**Liechti  
go-Mill 350**



Reference No. 5092	Demo machine
Spindle rpm:	20,000 rpm (HSK-A63)
Number of axes:	5
Machine location:	North Carolina
Available from:	Immediately
Warranty:	TBD*
Year of manufacture:	2017

**Liechti  
Turbomill 1400 g**



Reference No. 6097	Demo machine
Spindle rpm:	19,000 rpm (HSK-A63)
Number of axes:	5
Machine location:	North Carolina
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

## Milling

### Liechti Turbomill 1400 g



Reference No. 6102	Used machine
Spindle rpm:	19,000 rpm (HSK-A63)
Number of axes:	5
Machine location:	North Carolina
Available from:	Immediately
Warranty:	No warranty
Year of manufacture:	2016

## Wire-cutting Electrical Discharge Machining (EDM)

### AgieCharmilles CUT 300 mS



Reference No. 591.063.101.0144	Used machine
X, Y, Z travel (w, d, h):	550 x 350 x 400 mm
Max workpiece dimensions (w, d, h):	1200 x 700 x 400 mm
Wire diameters:	0.07 - 0.33 mm
Roughness average (Ra):	0.1 µm
Machine location:	Illinois
Available from:	Immediately
Warranty:	No warranty
Year of manufacture:	2016

### AgieCharmilles CUT E 350



Reference No. 396.900.216.2358	Demo machine
X, Y, Z travel (w, d, h):	350 x 220 x 220 mm
Max workpiece dimensions (w, d, h):	1000 x 550 x 220 mm
Wire diameters:	0.07 - 0.33 mm
Roughness average (Ra):	0.08 µm
Machine location:	Utah
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

**AgieCharmilles  
CUT E 600**



Reference No. 396.900.217.2286	Demo machine
X, Y, Z travel (w, d, h):	600 x 400 x 350 mm
Max workpiece dimensions (w, d, h):	1030 x 800 x 345 mm
Wire diameters:	0.15 - 0.30 mm
Roughness average (Ra):	0.08 µm
Machine location:	Massachusetts
Available from:	Immediately
Warranty:	One year*
Year of manufacture:	2018

**AgieCharmilles  
CUT P 350**



Reference No. 591.062.060.0221	Demo machine
X, Y, Z travel (w, d, h):	350 x 220 x 220 mm
Max workpiece dimensions (w, d, h):	1000 x 550 x 220 mm
Wire diameters:	0.07 - 0.33 mm
Roughness average (Ra):	0.08 µm
Machine location:	California
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

**AgieCharmilles  
CUT P 350**



Reference No. 591.062.060.0152	Demo machine
X, Y, Z travel (w, d, h):	350 x 220 x 220 mm
Max workpiece dimensions (w, d, h):	1000 x 550 x 220 mm
Wire diameters:	0.07 - 0.33 mm
Roughness average (Ra):	0.08 µm
Machine location:	Wisconsin
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

**AgieCharmilles  
CUT P 350**



Reference No. 591.062.060.0223	Demo machine
X, Y, Z travel (w, d, h):	350 x 220 x 220 mm
Max workpiece dimensions (w, d, h):	1000 x 550 x 220 mm
Wire diameters:	0.07 - 0.33 mm
Roughness average (Ra):	0.08 µm
Machine location:	North Carolina
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

\*Note: Warranty is determined by date of installation. Please check with your salesperson for warranty information. The machines indicated in this campaign are available subject to prior sale. Technical specifications and images are not binding and maybe modified without notice. Transportation costs are the responsibility of the customer from GF location indicated. This special promotion is valid until December 31, 2019. Our General Terms and Conditions apply.

**AgieCharmilles  
FORM 30-2012**



**Die-sinking Electrical Discharge Machining (EDM)**

Reference No. 395.900.177.0164	Used machine
X, Y, Z travel (w, d, h):	600 x 400 x 400 mm
Roughness average (Ra):	0.1 µm
Max electrode weight:	10 kg
Max workpiece weight:	1000 kg
Machine location:	Canada
Available from:	Immediately
Warranty:	No warranty
Year of manufacture:	2016

**AgieCharmilles  
FORM 300**



Reference No. 592.063.311.0197	Demo machine
X, Y, Z travel (w, d, h):	600 x 400 x 450 mm
Roughness average (Ra):	0.08 µm
Max electrode weight:	50 kg
Max workpiece weight:	1,600 kg
Smart options:	System 3R Macro Turbo chuck
Machine location:	Illinois
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2017

**AgieCharmilles  
FORM P 350**



Reference No. 592.200.000.0072	Demo machine
X, Y, Z travel (w, d, h):	350 x 250 x 300 mm
Roughness average (Ra):	0.08 µm
Max electrode weight:	50 kg
Max workpiece weight:	500 kg
Smart options:	System 3R Macro Turbo chuck
Machine location:	Illinois
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

**AgieCharmilles  
FORM P 350**



Reference No. 592.200.000.0068	Demo machine
X, Y, Z travel (w, d, h):	350 x 250 x 300 mm
Roughness average (Ra):	0.08 µm
Max electrode weight:	50 kg
Max workpiece weight:	2,000 kg
Smart options:	System 3R Macro Turbo chuck
Machine location:	Massachusetts
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

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## Hole-drilling Electrical Discharge Machining (EDM)

### AgieCharmilles DRILL 20



Reference No. 397.900.157.1447	Demo machine
X, Y, Z travel (w, d, h):	300 x 200 x 300 mm
Electrode diameter:	0.1 - 3.0 mm
Electrodes change:	17 electrode guides
Max workpiece weight:	300 kg
Machine location:	California
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2017

### AgieCharmilles DRILL 20



Reference No. 397.900.157.1375	Demo machine
X, Y, Z travel (w, d, h):	300 x 200 x 300 mm
Electrode diameter:	0.1 - 3.0 mm
Electrodes change:	17 electrode guides
Max workpiece weight:	300 kg
Machine location:	Illinois
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2016

### AgieCharmilles DRILL 20



Reference No. 397.900.157.1431	Demo machine
X, Y, Z travel (w, d, h):	300 x 200 x 300 mm
Electrode diameter:	0.1 - 3.0 mm
Electrodes change:	17 electrode guides
Max workpiece weight:	300 kg
Machine location:	Massachusetts
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2018

### AgieCharmilles DRILL 20



Reference No. 397.900.157.1364	Demo machine
X, Y, Z travel (w, d, h):	300 x 200 x 300 mm
Electrode diameter:	0.1 - 3.0 mm
Electrodes change:	17 electrode guides
Max workpiece weight:	300 kg
Machine location:	North Carolina
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2016

## Laser

### AgieCharmilles LASER 1000-5Ax



Reference No. L1000-0120	Refurbished machine
X, Y, Z travel (w, d, h):	1000 x 550 x 880 mm
Number of axes:	5
Max workpiece weight (five-axes):	150 kg
Laser source, to be selected:	50 watts or 100 watts
Focal lenses, to be selected:	FSTC 255 or 163
Machine location:	Illinois
Available from:	Immediately
Warranty:	TBD*
Year of manufacture:	2015

## Additive Manufacturing (AM)

### AgieCharmilles AM S 290 Tooling



Reference No. SI2622	Demo machine
Build volume (X, Y, Z):	250 x 250 x 305 mm
Scan speed:	Up to 7 m/s
Power consumption:	1.5 kW
Machine location:	Illinois
Available from:	Immediately
Warranty:	No warranty
Year of manufacture:	2016

## Milling

### Mikron MILL S 800



Reference No. 107.116.00.0033 (.0034)	Factory rebuilt machine
Spindle rpm:	42,000 rpm (HSK E40)
Number of axes:	3
Tool magazine:	36 tools
Machine location:	Switzerland
Available from:	Immediately
Warranty:	One year
Year of manufacture:	2019

### Mikron HSM 200U LP



Reference No. 107.116.00.0034	Demo machine
Spindle rpm:	50,000 rpm (HSK-E32)
Number of axes:	5
Tool magazine:	30 tools
Machine location:	Huntersville, NC
Available from:	Week 51
Warranty:	One year
Year of manufacture:	2018

## Consumable Packages

### 500 Hour Consumable Packages

#### Brass: 500 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Brass 900 W01872T .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter
Package 2 16 kg (35.2 lb)	Wire	AC Brass 900 W01873T .010"	12 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter
Package 3 25 kg (55 lb)	Wire	AC Brass 900 W01874T .010"	9 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter

#### Productivity: 750 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Cut VS 900 W10472 .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter
Package 2 16 kg (35.2 lb)	Wire	AC Cut VS 900 W10473 .010"	12 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter
Package 3 25 kg (55 lb)	Wire	AC Cut VS 900 W10474 .010"	9 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter

#### Precision: 1,000 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Cut AH 900 W10372 .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter
Package 2 16 kg (35.2 lb)	Wire	AC Cut AH 900 W10373 .010"	12 Spools
	Water Filter	Mann Hummel H34 2090	4 Filters
	Fine Water Filter	135015401 5 Micron	1 Filter

### 1,000 Hour Consumable Packages

#### Brass: 1,000 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Brass 900 W01872T .010"	48 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces
Package 2 16 kg (35.2 lb)	Wire	AC Brass 900 W01873T .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces
Package 3 25 kg (55 lb)	Wire	AC Brass 900 W01874T .010"	18 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces

#### Productivity: 1,500 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Cut VS 900 W10472 .010"	48 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces
Package 2 16 kg (35.2 lb)	Wire	AC Cut VS 900 W10473 .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces
Package 3 25 kg (55 lb)	Wire	AC Cut VS 900 W10474 .010"	18 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces

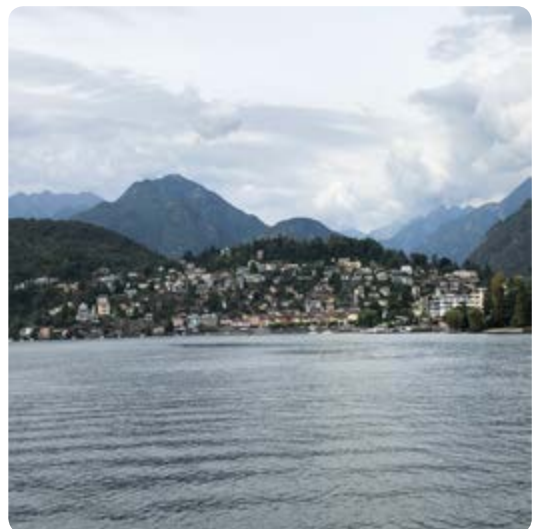
#### Precision: 2,000 bonus points

Package 1 8 kg (17.6 lb)	Wire	AC Cut AH 900 W10372 .010"	48 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces
Package 2 16 kg (35.2 lb)	Wire	AC Cut AH 900 W10373 .010"	24 Spools
	Water Filter	Mann Hummel H34 2090	8 Filters
	Fine Water Filter	135015401 5 Micron	2 Filters
	Power Feed Contacts	135022231 Tungsten Coated	2 Pieces

# Additional benefits offered October 15<sup>th</sup> through December 31<sup>st</sup>

## Offers for New equipment:

- Uptime+ Level 2 Service and Support Program including two-years parts and labor warranty
- Free rConnect - Live Remote Assistance (1 years)
- Free rConnect - Messenger (6 months)
  - Includes the control software option(s) required for Messenger
- Purchase a minimum total of \$750K and receive an all-expenses paid trip for two (2) to join us on our annual VIP trip to Europe.



## Continued offers for New equipment:

### For AgieCharmilles EDM:

- 20% discount on DRILL 20 with the purchase of any new Wire EDM
  - DRILL 20 List Price: \$41,720 | With 20% Discount: \$33,376
- ResinMax included with the purchase of new CUT E, P and 1000 series machines (R01244 (x2), R01242, R01261)
- Free Extended Filtration option (W05.002) for CUT P 350 and 550 only. This option expands filtration from 2 filters to 4 — reducing cost per hour and time between filter changes
- With the purchase of any new FORM P or S with any 32 position rotary tool changer, receive an upgrade to a 64 position rotary tool changer with single or double gripper
- Free System 3R Automation kit with the purchase of new FORM P machines and System 3R Automation Cell

### For Mikron MILL:

- Free CAMplete with any Mikron MILL P, S, or X
- Win a trip to the Daytona 500! For any new Mikron MILL purchased between October 15<sup>th</sup> through December 31<sup>st</sup>, you will be entered into a drawing to win a fully paid trip to the Daytona 500 hosted by Toyota Racing Development.
- Free Kinematics Package:
  - Heidenhain iTNC Kinematics Option - This software minimizes the positioning error arising from the tilting movements and automatically saves the machine geometry in the respective machine parameters of the kinematic table
  - Calibration ball for kinematics calibration
- Free JTM cell management software with purchase of Mikron pallet changer on the Mikron MILL P, S or X only

### For AgieCharmilles Laser Texturing:

- \$10,000 incentive for System 3R Automation purchase in 2020 with a purchase of a new Laser machine in 2019
  - WorkPartner 1+, Transformer and FANUC only

### For System 3R Automation:

- 10% discount on WorkPartner 1+ orders purchased between October 15 - December 31

### For Tooling:

- 10% discount on a System 3R Tooling package with any machine or robot order

### For Consumables:

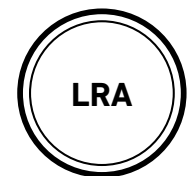
- Discounted 500 hour EDM consumables starter package
- Discounted 1,000 hour package
- Privilege Club bonus points

## Live Remote Assistance

Trust is the basis of all business and, in today's business environment, requirements are changing faster than ever before. Your customers expect you to deliver their products in the requested quality within a defined time frame by achieving targeted costs.

Your benefits:

- Detailed information about your machine with your cockpit per machine
- More uptime for your machinery
- Direct and interactive access to our service specialists
- Faster identification of potential problems
- Secure connection based on the latest technology - certified by TÜViT
- Connection to GF Machining Solutions' digital services world with additional modular services like the messenger module with smartphone/tablet notifications.



Available only where indicated by icon.

## rConnect activation kit – a direct connection to GF Machining Solutions' digital services world

Open up new digital services possibilities for your existing GF Machining Solutions machine  
The kit contains all the components that our service engineer needs to properly install the hardware.

Your benefits:

- rConnect keeps you connected to modular digital services, at any time and wherever you are.
- Greater revenue through higher level of availability and reduced downtime
- Cost reductions through optimization of service visits
- Secure connection based on the latest technology, certified by TÜViT
- A significant step in the direction of smart services to increase your efficiency



Available only where indicated by icon.

# SMART wire

With SMART wire, GF Machining Solutions positions you to use your machine to its full potential and take your process control to the next level. SMART wire helps you avoid unexpected interruptions by monitoring the wire length remaining on your machine, checking the wire used and enhancing wire traceability.

## Your benefits

- **Process continuity:**  
Wire length monitoring advances your unmanned productivity and your confidence that wire length is sufficient to complete the process.
- **Process traceability:**  
Information in the machine report collects wire data (manufacturing date, lot number, wire type, etc.) to meet customers' traceability requirements.
- **Process enhancement:**  
Automatic wire technology check ensures that the wire technology matches the wire loaded on the machine and optimizes your performance.

Available only where indicated by icon.



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