

# B B G

## Competence to the details

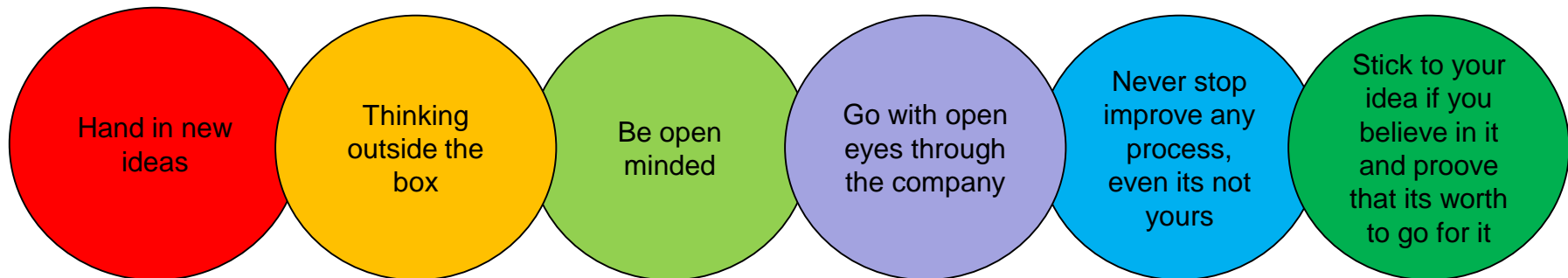
Your partner in Asia and in North America

Christian Fritz

It shows that Ideas are so important

=> But most important: Innovation is only possible with every single One of you and your ideas!

I like to emphasize all of You

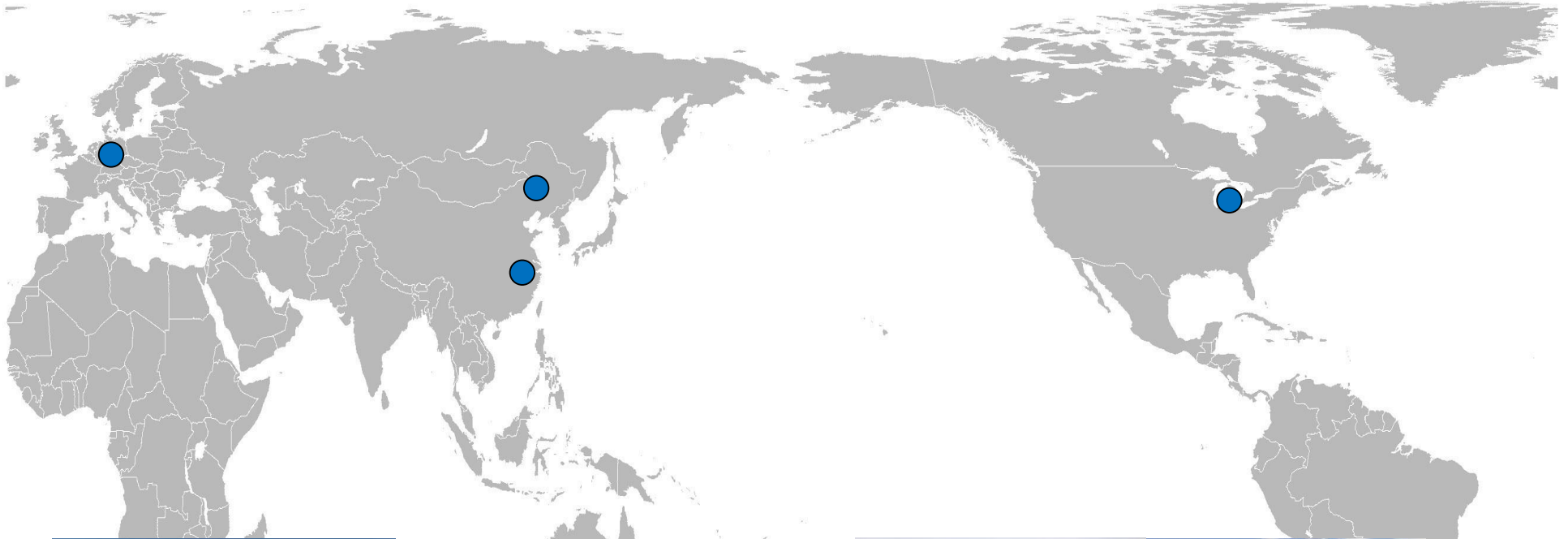


If I had asked people what they wanted, they would have said: A faster horse.

Henry Ford

Again welcome You to the BBG Innovation Day 2019, where you will see many nice ideas, which became reality and therefore an innovation. At this point I already like to say thanks to all that great minds and their ideas!

# BBG Locations worldwide



**BBG GmbH & Co. KG**  
Headquarter in Mindelheim



**BBG Asia Ltd.**  
in Changchun (China)



**BBG Asia Ltd.**  
in Shanghai (China)



**BBG North America LP**  
In Oxford (US)

1960

1999

2006

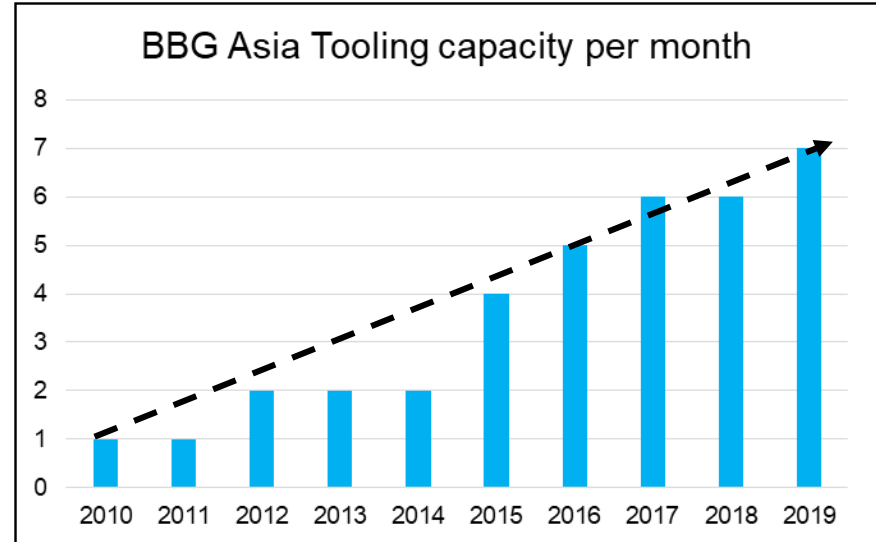
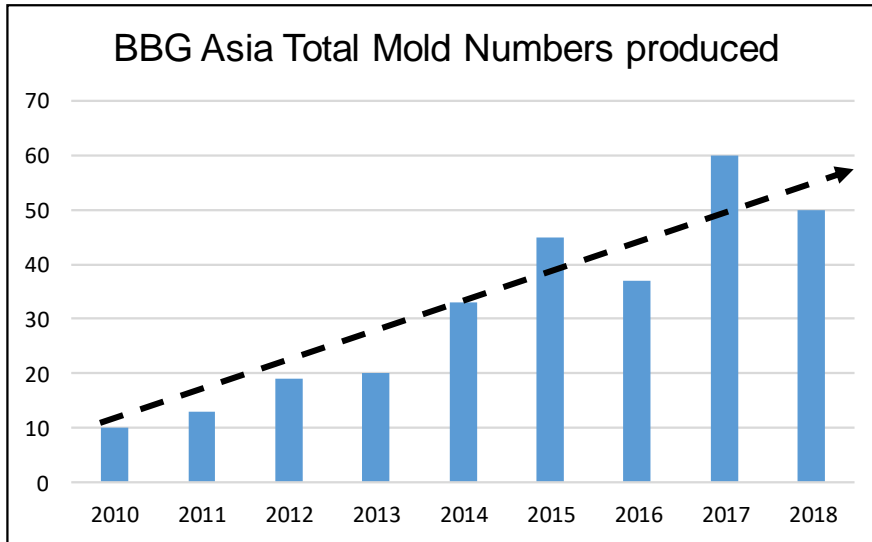
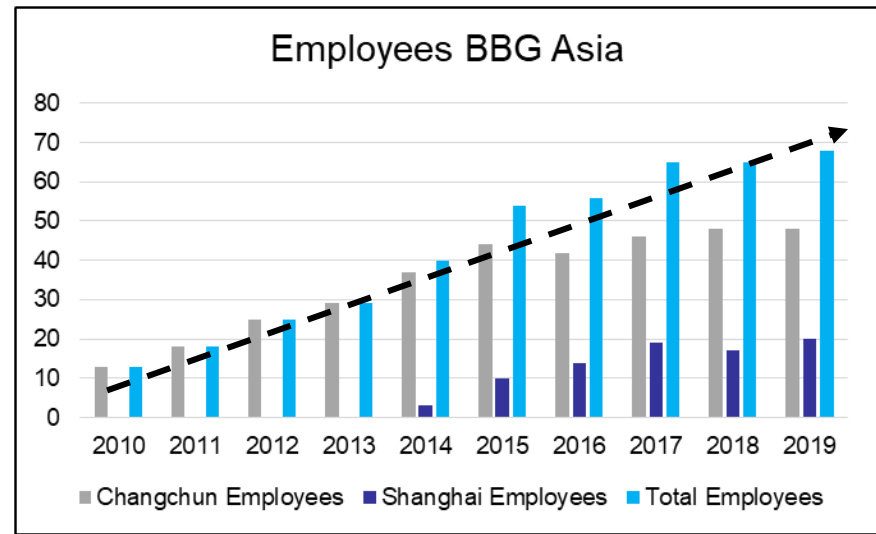
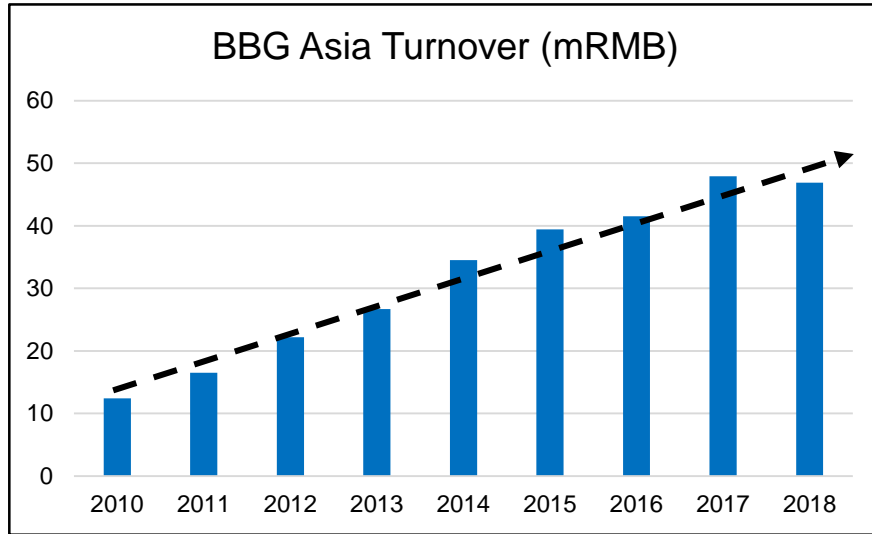
2014

2019





# BBG Asia Number and Facts









Two 5 axis Vision Wide FA-3127



travels:  
X 3100 mm  
Y 2700 mm  
Z 1000 mm

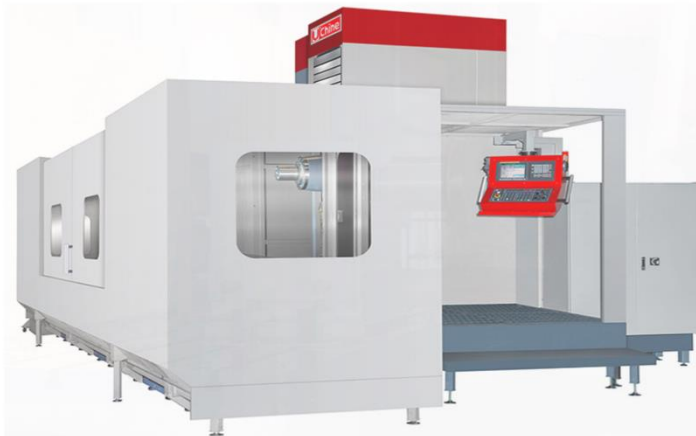
Four 3 axis Vision Wide SF-2116 with 10000 RPM



Travels (3pc)  
X 2100 mm  
Y 1600 mm  
Z 800 mm

travels: (1pc)  
X 2100 mm  
Y 1200 mm  
Z 800 mm

One 3 axis U'chine UMM 3216



travels:  
X 3200 mm  
Y 1600 mm  
Z 1200 mm

### Modern Inspections

- Faro Platinum Arm
- Zoller Presetter Machine







5 axis Huron KX50L



travels:  
X 3000 mm  
Y 1700 mm  
Z 920 mm

One 3 axis Vision Wide SF-2112 with 10000 RPM



travels:  
X 2100 mm  
Y 1200 mm  
Z 800 mm

2 axis water cutting machine



### Modern Inspections

- Faro Platinum Arm
- Zoller Presetter Machine





## BBG Changchun:

Full production plant for toolings  
Programming (Tebis)  
Milling (7 Milling machines)  
Touching  
Assembling  
Measuring and testing Equipment  
50 employees  
2800 sqm production area  
Fully operating sample shop  
2 Service Engineers (tooling and carrier installations)



## BBG Shanghai:

Service plant  
Design  
Milling (2 Milling machines)  
Touching  
Assembling  
Measuring and testing Equipment  
20 employees  
600 sqm production area  
3 Service Engineers (tooling and carrier installations)



BBG Asia Ltd. is your partner for glass encapsulation and composites in Asia

We provide also other services like water cutting and wire cutting,  
as well as CNC machining work for complex 5 axis parts

BBG Asia sold and installed in the last 5 years in Asia

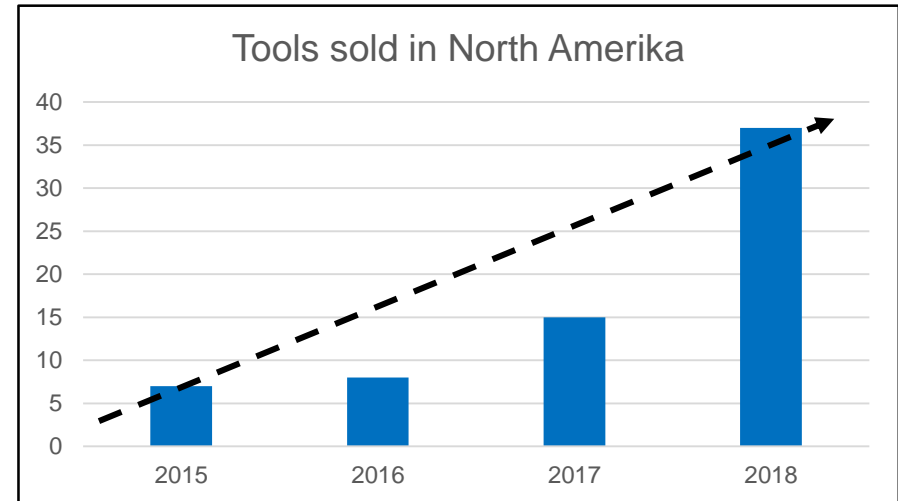
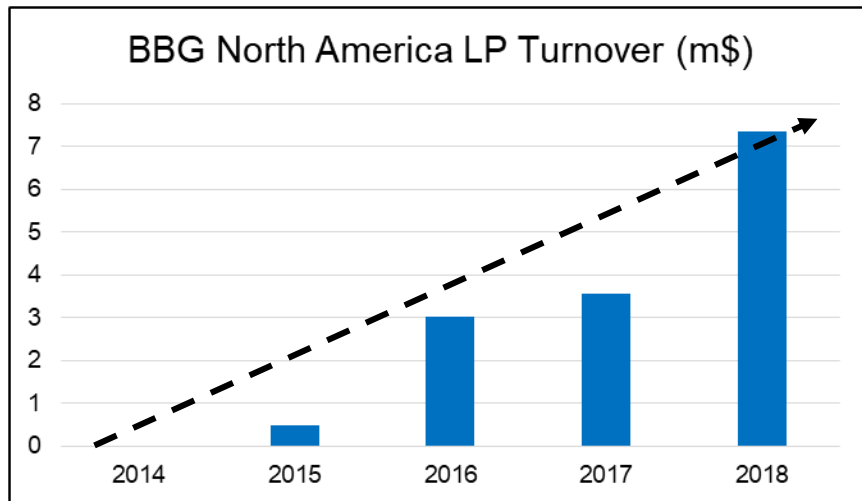
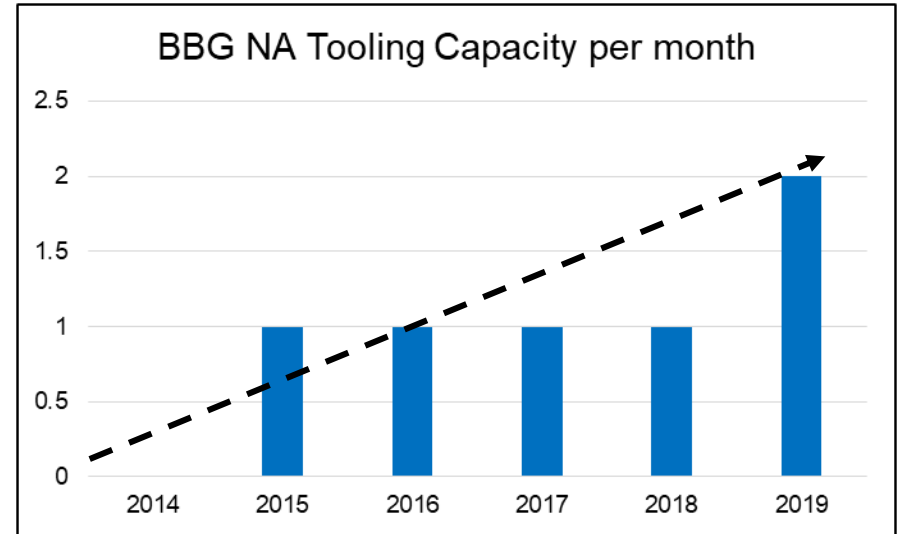
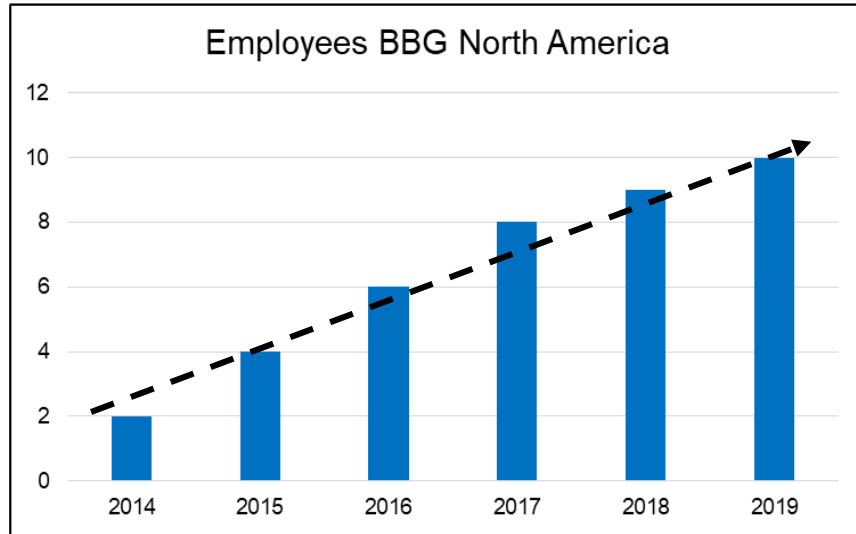
- 69** BFT-P V2 Mold Carriers
- 31** BFT-P V7 Mold Carriers
- 35** BFT-G Mold Carriers
- 5** Glassline (PU machine)
  
- 1** BFT-R Composite Plant (2 BFT-R, KUKA Robot and Hennecke Spray Machine)
- 3** Full Turn Key Solutions with 2 or more Carriers, Cabins, Glassline and Toolings

**And a fantastic number of 233** Toolings of all sizes and complexity degrees

=> Therefore you can be sure you are in good hands with BBG Asia



# BBG North America Number and Facts



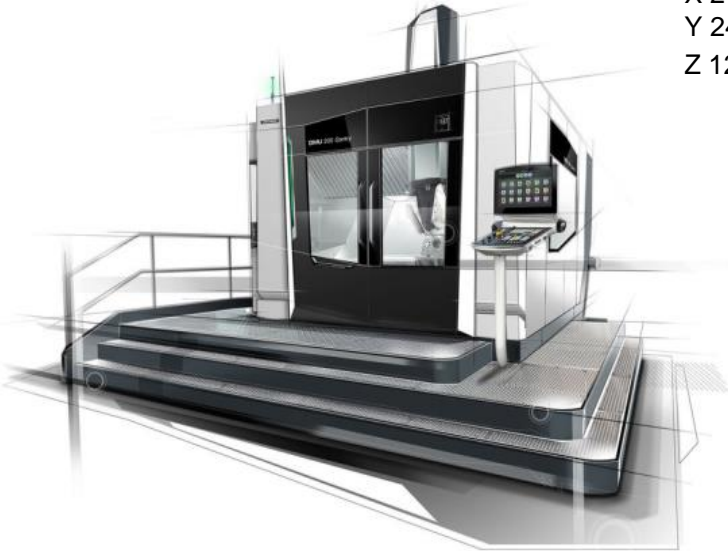








## 5 axis DMG Mori DMU 200 Gantry



travels:  
X 2460 mm (97 inch)  
Y 2460 mm (97 inch)  
Z 1200 mm (47 inch)

## Other CNC

Bokö heavy roughing CNC bed mill  
Dynapath CNC bed mill



## 5 axis Vision Wide FA-3127



travels:  
X 3100 mm (122 inch)  
Y 2700 mm (106 inch)  
Z 1000 mm (39 inch)

## Modern Inspections

- Faro Platinum Arm
- Zoller Presetter Machine







### BBG North America:

Full production plant for toolings  
Programming (Tebis)  
Milling (3 Milling machines)  
Touching  
Assembling  
Measuring and testing equipment  
10 employees  
1000 sqm production area

BBG North America LP is your partner for glass encapsulation and composites in the United States and Mexico.

We provide also other services like in house design and production of injection molds  
As well as CNC machining work of complex 5 axis parts.

**Thank you for your attention**