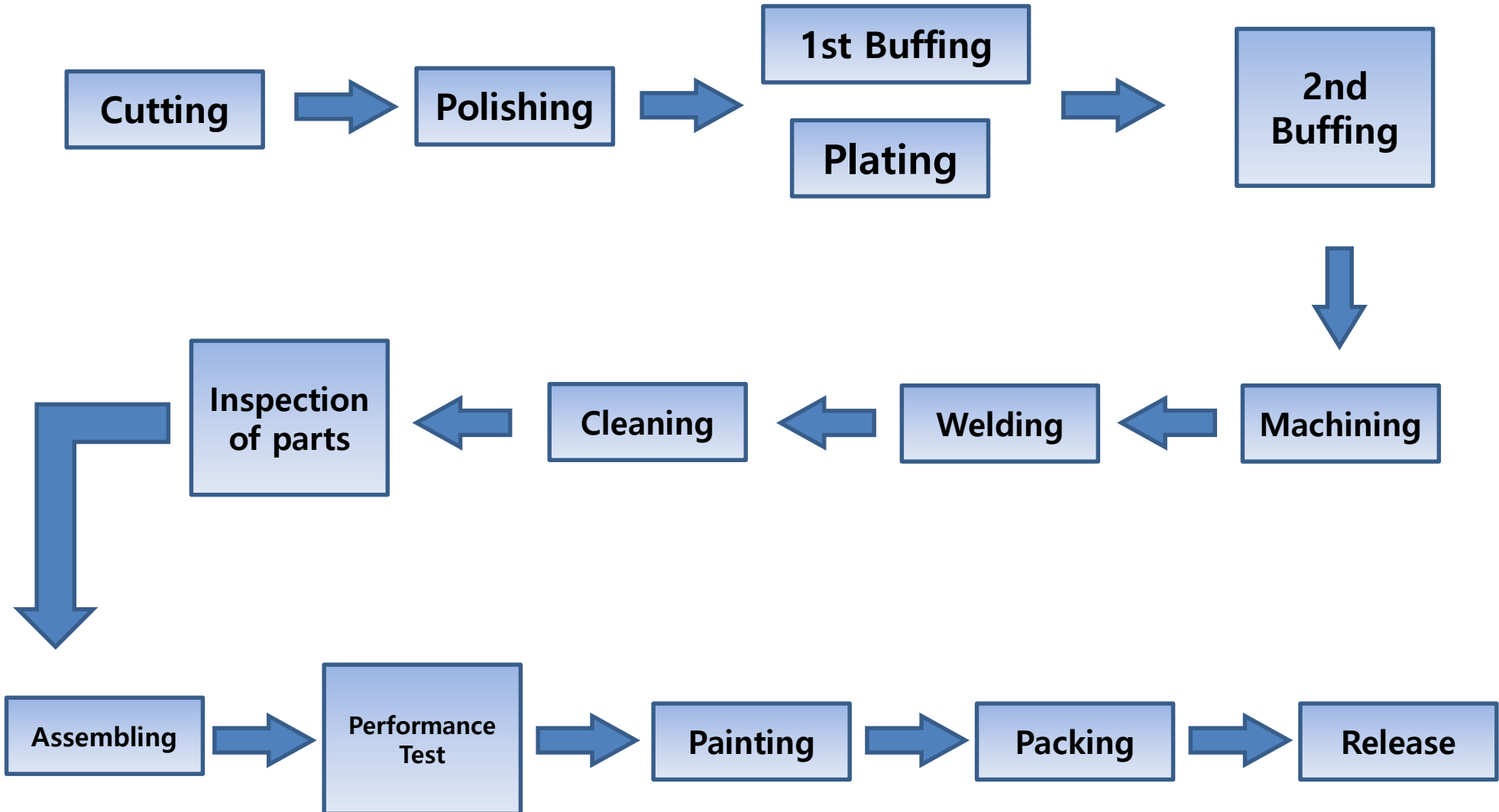


## ■ Manufacturing processes



## ■ Production process

### ① Cutting

☞ According to customer's order spec , Cutting with minimizing loss  
(Main Material/Steel : STKM13C, S45C, SS41, S20C, SUS304 …etc)



### ② Polishing

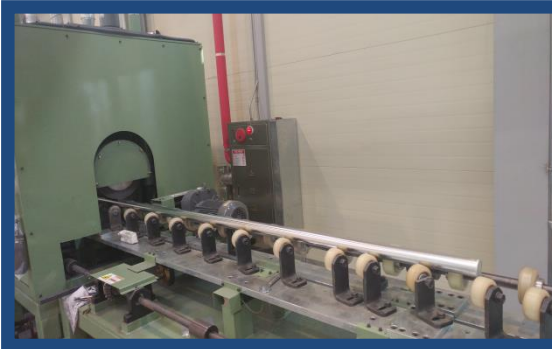
☞ Polishing and correcting filling materials S45C



## ■ Production process

### ③ 7stage Buffing

☞ Before and after plating, buffing polish-corrected S45C material with 7 staged buffing machine



### ④ Plating

☞ Hard chromium plating from short rod to long one by using 4 pots sized 11M / 5.5M / 3.5M / 2.3M plating equipment .





# ■ Production process

## ⑥ Machining

☞ Mass , Drawing-spec production by way of operating large numbers of equipment such as MCT, CNC, Heat-treatment M/C, Bending , Milling , Lathe , Radial, Drill and the other machines.





# ■ Production process

## ⑦ Welding

☞ This process can create welding bead's refinedness and high-tension strength as it makes precise welding with automated , semi-automated , manual welding machine in welding floor





# ■ Production process

## ⑧ Cleaning

(Electrolytic Sterilization Equipment)

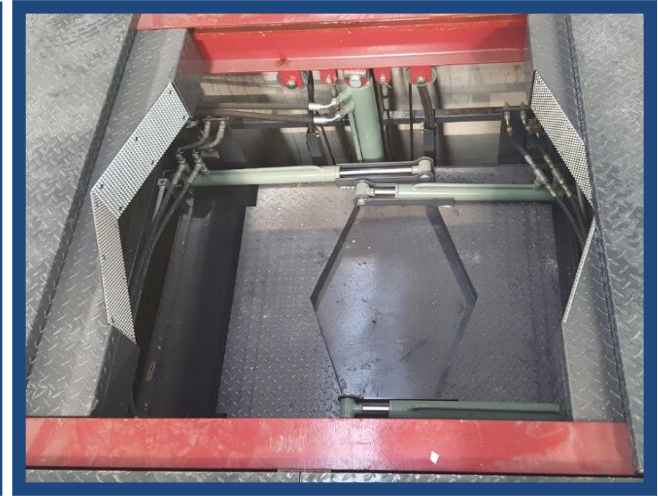
☞ This process think over environment as part cleanness, cutting oil saving because processed components washed in washer with electro-  
—analysised water filtered through eco-friendly electrolysis machine



## ■ Production process

### ⑨ Assembling

☞ Small cylinder and big cylinder cab be assembled up and down , and vertically as we have excellent assembling facility

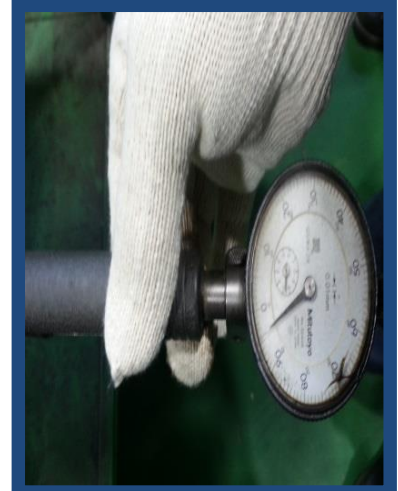
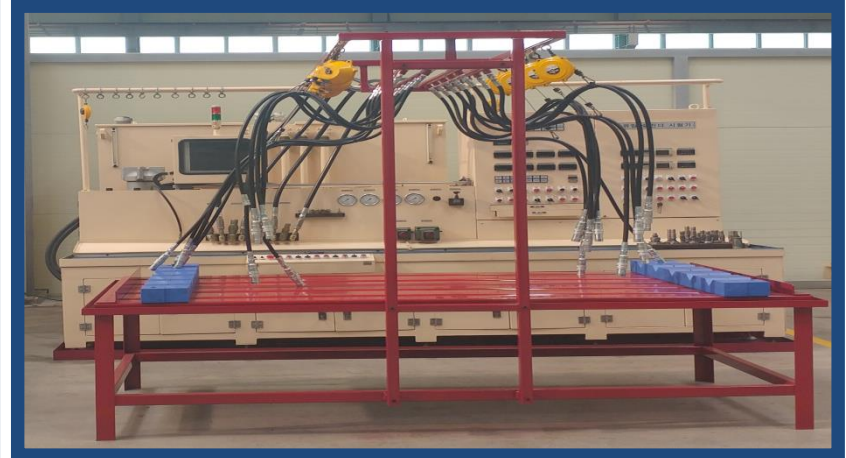




## ■ Production process

### ⑩ Performance Test & QC Test

Perfect products shipping through 100% test procedure with multi purpose performance tester and cylinder measuring gauge





## ■ Introduction of processes 8

### ⑪ Painting / Dry

☞ Keep complete appearance through painting work and by using dry facility in accordance with customer's requirement and specification

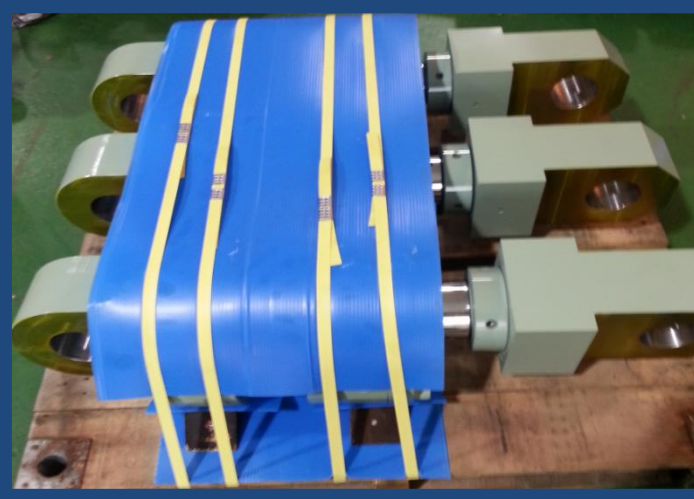


## ■ Production process

### ⑫ Packing/Releasing



Delivery or shipping out as per customer and parts after pallet & separated packing





## ■ Facility

NO	Name	Quantity	Remark
1	Buffing M/C	1 EA	7staged Buffing M/C (1 through 7 staged buffing M/C)
2	Plating Facility	4 EA	4 Plating pots by each size 11M, 5.5M, 3.5M, 2.3M
3	Polishing M/C	5 EA	18" filling material polishing
4	Heated treatment M/C	1 EA	Rod heat-treatment
5	MCT Machining Center	1 EA	7500/50
6	CNC M/C	13 EA	6inch, 10inch, 12inch, 15inch, Rod, Pipe
7	Lathe M/C	6 EA	Long axis, 430*1100, 500*1500, 600*2000, 460*1500 and so on.
8	Milling M/C	8 EA	2, 3, 6 series and more
9	Circular M/C	1 EA	DT-130
10	Sawing M/C	2 EA	HFA-502NS, HANC-450
11	Cylinder Polishing M/C	1 EA	3000*320
12	Redial M/C	1 EA	SRD-1600
13	Bench Drill	5 EA	HTD-360, ATD-360, SRD1500, 3 staged and more

## ■ Facility

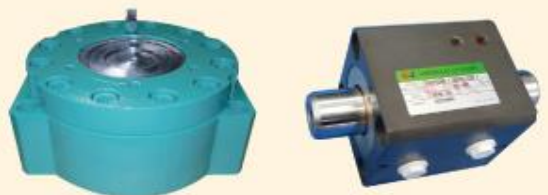
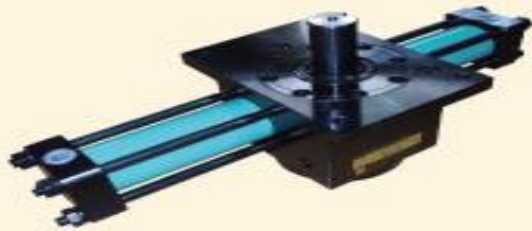
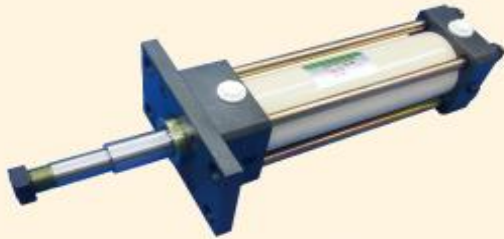
NO	Facility	Quantity	Remark
14	Welding M/C	15 EA	Automated, Semiauto, CO2, Argon, Manual, Oxygen, Arc
15	Horizontal Oil pressure assembling M/C	1 EA	Rod, Piston connecting Assembly
16	Vertical Oil pressure assembling M/C	1 EA	Long axis & Large-Sized cylinder vertical assembly
17	Cylinder Testing M/C	6 EA	Big-sized, inside and outside Tester, Air Tester
18	Pipe Bending M/C	2 EA	Plumbing Pipe bending
19	Electrolyzed Water generators	2EA	eco-friendly functional water throughout electrolysis process (cutting oil saving)
20	Cleaning M/C	3EA	Part washing after work
21	Painting+Dust Collecting	2EA	Cylinder appearance painting
22	Dry Facility	1EA	Dry fully-painted cylinder
23	Hoist	17EA	5TON, 3TON, 1TON and more
24	Fork Lift	3EA	3.5TON, 2TON
25	Screw Air Compressor	2EA	KSS-50D(50HP)
26	Complex Milling M/C	1EA	Metal processing milling, angle milling , Boring



## ■ Facility

NO	Facility Name	Remark
1	Coating thickness measuring instrument	CM-8826FN
2	Outer Micro meter	0~125mm (103-137~141-10)
3	Depth Micro meter	571-203-20
4	Dial Inside Calipers gauge	KL-H210, KH-H230, T-IM-882
5	Plug gauge	M16*1.5P ~ M64*1.5P
6	GONO Calipers	200mm, 300mm, 600mm
7	Depth gauge	300mm(디지털)
8	Cylinder gague	0 ~ 100M
9	Plug gauge	PT1/4, PT3/8, PT1/2, PT3/4
10	Dial Indigator	2046S (10*0.01)
11	Inside home gauge	0 ~ 100mm
12	Coating longitude measuring instrument	HLN-11A

# ■ Products





# ■ Products



Double loop plumbing typed Double loop typed one typed DH02



one type FBtype



CircularFA one type



Circular LA type



Circular FA+FB type



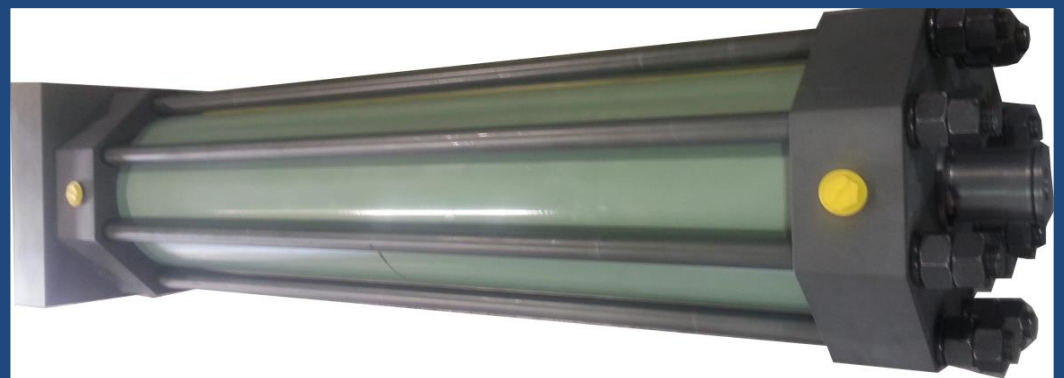
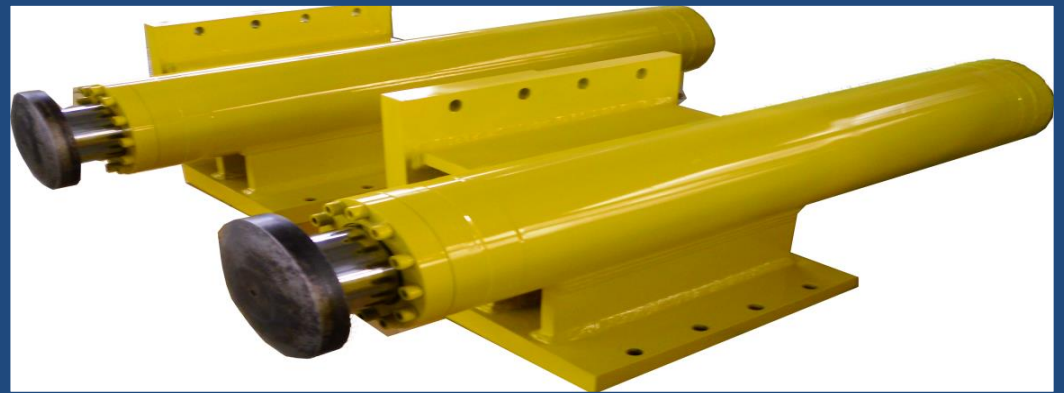
One type CAPlumbing



Flat-typed



DHT Multi-staged



# ■ Products



I nuckle + TC Typed



Rotation Typed



Magnetic Cylinder



Square TA Typed



Circular FA



Spring Single-acting



Flat Typed



Booster



Marine



Mill typed double Rod



Press



Circular Mill-typed





## ■ Application area for products



## ■ Future Plan & Competitiveness of company

**We have recently opened state-of-a-art factory equipped cutting-edged facilities in Sejong-city, central region of Korea.**

**The purpose of this factory is to approach to customer with more advanced quality and competitive price.**

### **Competitiveness of our company**

**We can offer competitive prices with cutting-edged facilities such as plaiting, horning, polishing, heating, machining, welding and especially painting equipment.**

**With engineering skill accumulated since establishment , we can supply good quality to customer and satisfied customer needs.**

**We are always ready to be your business partner and cooperator, thanks**