



---

**K+S SERVICES AND STAR HYDRAULICS LTD.  
WORKING TOGETHER TO SUPPLY AND SUPPORT  
OEM'S AND END USERS ALIKE WITH HIGH  
QUALITY AND ECONOMICAL SOLUTIONS  
IN SERVO VALVE APPLICATIONS  
AROUND THE WORLD.**

**WWW.K-AND-S.COM  
1-800-542-1331**

---

**STAR**  
**HYDRAULICS LTD**  
**SERVO TECHNOLOGY**

**K+S SERVICES IS AN AUTHORIZED  
STAR DISTRIBUTOR AND REPAIR CENTER  
IN THE USA, CANADA & MEXICO.** Star

designs and manufactures high quality electro-hydraulic servo valves and associated equipment, which are used in a wide variety of market sectors. Key to the success of the company is the many years of servo engineering development, which enables customers to gain consistent operational life capacity. With Star's **Sapphire Technology**, we are performing upgrades to many different applications domestic and international.

**K+S and Star see this appointment as a key development** for the improvement of operational life for this type of equipment utilizing Star's products, features, and benefits. Star produces many replacement servo valves for the flight simulation industry, as well as industrial and mobile applications.

**Many of Star's servo valves are manufactured with the inlet orifices and feed-back wire** that include the **Sapphire Technology**. The benefit to the operator is that the traditional inlet and ball wear erosion problems that have been seen in the past are now in the past. These features enable Star Servo Valves to deliver and maintain higher performance for extended periods without failure. This extended operational life results in reduced costs to the end user.

**STAR**  
HYDRAULICS LTD  
SERVO TECHNOLOGY



**THE KEY TO  
EXTENDING LONG  
OPERATIONAL LIFE  
BY ESSENTIALLY  
ELIMINATING  
FEEDBACK  
BALL WEAR.**

**Sapphire Technology** enables the feedback mechanism to remain in service longer in challenging environments, well in excess of  $10^8$  cycles and built to withstand skydrols, water glycols and phosphate esters, as well as extreme temperatures ranging from -45 deg C to well above +145 deg C.

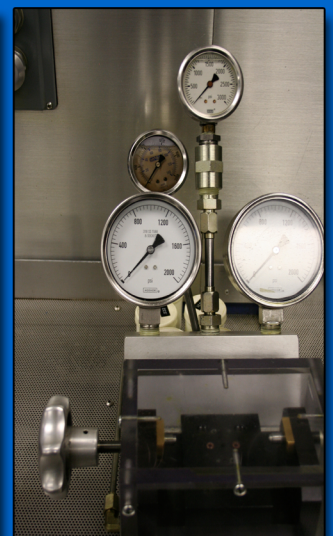
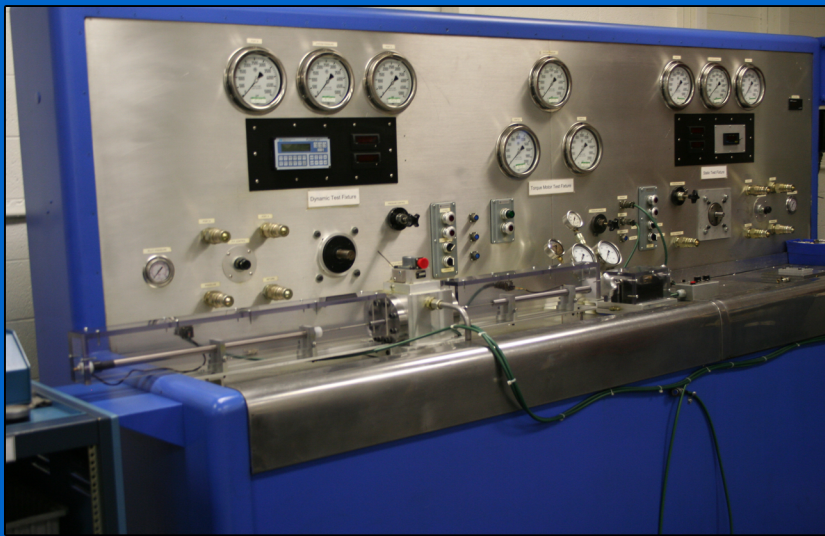
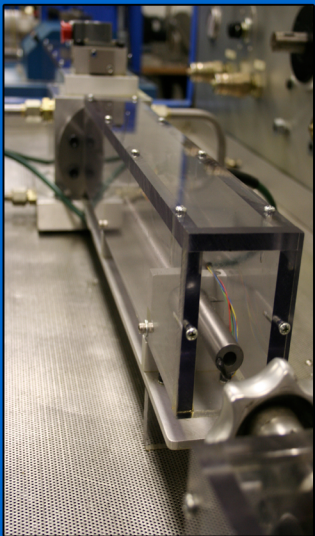
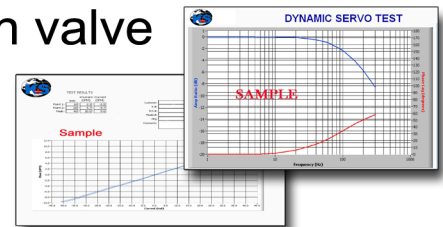


# WHY CHOOSE K+S SERVICES?

- Factory trained technicians
- No evaluation fees
- No additional charges on most rush or emergency repairs
- Failure analysis and final test reports supplied with every repair
- 12 month in-service warranty

Our servo valve department utilizes state of the art testing equipment and computers. This includes:

- Ability to dynamically and static test each valve
- Dedicated run-in test stand
- Computer controlled final test stands
- Clean-air valve assembly benches



**K+S has the ability to rebuild your Star valve, existing servo valves & proportional valves** by only using OEM parts in the rebuild process. Our factory trained technicians understand the importance of meeting the specific requirements and operational demands of the industrial, commercial, military, flight simulation, and entertainment industries. The following are some examples:

- |        |           |                   |          |            |
|--------|-----------|-------------------|----------|------------|
| ● Abex | ● Atchley | ● Bosch / Rexroth | ● Dyval  | ● Kawasaki |
| ● Moog | ● MTS     | ● Olsen           | ● Parker | ● Pegasus  |
| ● Star | ● Towler  | ● TSS             | ● Ultra  | ● Vickers  |



# THE K+S ADVANTAGE

## PROVIDING A FULL RANGE OF REPAIR CAPABILITIES

AC/DC SERVO MOTORS  
AIR PUMPS  
AMPLIFIERS  
BALLSCREWS  
BRAKES  
BLOWERS  
CNC MACHINE CONTROLS  
CRT MONITORS  
CYCLO DRIVES  
CYLINDERS & SERVO ACTUATORS  
DISPLAYS  
ELECTRON BEAM WELDING  
ENCODERS  
FLUID PUMPS  
GEAR BOXES  
HEAT CONTROLLERS  
HMI'S  
HYDRA-STATIC DRIVES  
HYDRAULIC CYLINDERS

HYDRAULIC PUMPS  
LCD MONITORS  
LIGHT CURTAINS  
MOTORS/ROTARY ACTUATORS  
POWER SUPPLIES  
PROGRAMMABLE LOGIC CONTROLS  
REDUCERS  
REMANUFACTURED EQUIPMENT  
ROBOT MANIPULATORS & CONTROLS  
SERVO MOTORS  
SERVO VALVES  
SIMULATION EQUIPMENT  
SPINDLE & PARABOLIC ROLLS  
STAR SERVO TECHNOLOGY  
TERMINALS  
TORQUE TOOL & CONTROLLER REPAIR  
VACUUM PUMPS  
WELD CONTROL  
WELD GUN & COMPONENTS

## K+S GLOBAL LOCATIONS

**HQ: 15677 NOECKER WAY SOUTHGATE, MI 48195 TEL: 734-374-0400 FAX: 734-857-2058**

### TAYLOR

20401 Gladwin Ave  
Taylor, MI 48180  
Tel: +1 734-374-0400  
Fax: +1 734-246-6655

### VALVES DIVISION

15470 Racho Rd.  
Taylor, MI 48180  
Tel: +1 734-318-2918  
Fax: +1 734-857-2021

### KOKOMO

1606 Rank Parkway Ct.  
Kokomo, IN 46901  
Tel: +1 765-454-0038  
Fax: +1 765-454-0051

### ROCKY HILL

273 Dividend Rd  
Rocky Hill, CT 06067  
Tel: +1 860-721-1864  
Fax: +1 860-721-1906

### LAWTON

215 S.E. J Ave.  
Lawton, OK 73501  
Tel: +1 580-248-5655  
Fax: +1 580-248-8978

### OAKVILLE

2300 Bristol Circle Unit 4  
Oakville, Ontario  
L6H 5S3 Canada  
Tel: +1 905-465-1645  
Fax: +1 905-465-0412

### MONTREAL

2127 Rue De La Province  
Longueuil, Quebec  
J4G 1Y6 Canada  
Tel: +1 450-646-8989  
Fax: +1 450-670-6329

### APODACA

Orion #1463 Int. 1  
Praque Industrial Orion  
Apodaca, Nuevo Leon  
Mexico, CP 66600  
Tel: +52 (81) 8190-2505  
Fax: +52 (81) 8190-2501

### SALAMANCA

Libramiento Politecnico #116  
Col. Ampliacion Los Angeles tramo  
Irapuato - Valle de Santiago Km.9.2  
Salamanca, GTO., Mexico CP 36782  
Tel: +52 (464) 113-3133  
Fax: +52 (464) 113-3134

### UNITED KINGDOM

Unit 20 Darwell Park  
Amington Industrial Estate  
Tamworth, B77 4DR  
Staffordshire, United Kingdom  
Tel: +44-1827-68052

### BELGIUM

Bedrijvenstraat 5840  
Poort Sint-Truiden  
3800 Sint-Truiden Belgium  
Tel: +32-1148-0003

### CZECH REPUBLIC

Ulice 2. Kvetna 1599  
Areal Slavia  
Napajedla 763 61  
Czech Republic  
Tel: +420-577-100-114

### POLAND

Unii Europejskiej 10  
32-600 Oświęcim  
Poland  
Tel: +48-33-474-03-77