### MACHINING AND PROCESSING CAPABILITIES

Machining Capabili	ties	0 - 2.5	2.5 - 5	5 - 10	10 - 15	15 - 20			35 - 46	46 - 51	51 - 61	61 - 81	81 - 92	92 - 99	99 - 107	107 - 122	122 - 135	135 - 145	145 - 160	160 - 178	178 - 203	203 - 244	244 - 280	280 - 305	305 - 348	348 -406	406 - +	
<b>By Part Dimension</b> Size				2 - 4	4 - 6		8 - 12	12 - 14	14 - 18			24 - 32	32 - 36		39 - 42	42 - 48		53 - 57	57 - 63	63 - 70		80 - 96	96 - 110	110 - 120	120 - 137	137 - 160	160 - +	Machining & Special Processes
Milling (Vertical)	Height, Width																											Milling
Milling (Horizontal)	Height, Width			•	•																							Turning
Turning (Vertical)	Diameter			•																								Surface Grind
Turning (Horizontal)	Diameter			۰																								OD Grind
Surface Grind	Height, Width			۰																								ID Grind
OD Grind	Diameter			۰																								
ID Grind	Diameter			•																								Honing
Internal Hone	Diameter																											Wire cut & EDM
Wire Cut	Height, Width																											Hobbing
EDM	Height, Width																											Weld
Hobbing	Diameter																											Threading
Welding	Diameter																											Boring
СММ	Height, Width																											Drilling
Milling (Vertical)	Length																											
Milling (Horizontal)	Length																											Ultrasonic Washing
Turning (Vertical)	Length																											Laser engraving
Turning (Horizontal)	Length																											CMM Inspection
Surface Grind	Length																											Non-Destructive Test (NDT
OD Grind	Length																											Shot Peen
ID Grind	Length																											Plating
Internal Hone	Length																											Paint & Primer
Wire Cut	Length																											
Hobbing	Length																											Ultrasonic Inspection
Welding	Length																											X-Ray Inspection
СММ	Length																											Heat Treat



# **US & EU LOGISTIC HUB**

good rolling forecast.

## **GLOBAL FOOTPRINT**



### GROUP PROFILE

UPECA is a unit of Senior plc, an international manufacturing group with 33 operations in 14 countries. Senior designs, manufactures and markets high technology components and systems for the principal original equipment producers in the worldwide aerospace, defence, land vehicle and energy markets.

### ACCREDITATION





LQP

UPECA Malaysia Plant

ISO 9001 : 2015 337998 QM08 ISO 14001 : 2015 337998 UM15



### SENIOR FLEXONICS UPECA UPECA Engineering (Tianjin) Co. Ltd

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## SECONDARY PROCESS CAPABILITY

Кеу

Assembly	<ul> <li>Electro-mechanical assembly, in building wire harness and cable assemblies certified to IPC/WH MA-A-620 workmanship and soldering standards</li> </ul>
Threading	- API, Buttress, ACME, VAM, FOX and HYDRIL
Coating	<ul> <li>Carburizing, induction hardening, QPQ, phosphate, copper plating, molybdenum, techlube PT-14, XYLAN, chromit oxide Cr203, Nedox<sup>®</sup>, Magnaplate<sup>®</sup>, Armoloy<sup>®</sup>,chromate conversion, anodizing, shot peening and painting</li> </ul>
NDT	<ul> <li>Dye Penetrant, Positive Material Identification and Magnetic Particle Inspection (MPI)</li> </ul>
Welding	<ul> <li>TIG, SMAW, MIG &amp; PTA on joining / Fabrication / Cladding and Hardfacing welding services in accordance with ASME IX qualification</li> </ul>

## MATERIAL CAPABILITY

Stainless Steel	- AISI/ASTM A276 ASTM A182 ASTM A479, \$31803,316L \$20910, \$17400
Carbon Steel	- (WCC, LCC), UNS G10180 (SA 105 & 182)
Superalloy	- UNS N06625 (P-No 43), Duplex Alloy 600 , N10276, N04400, Stellite 6 & Colmonoy-4,
Inconel <sup>®</sup> Brass, Bronze & Copper, Copper	<ul> <li>Nickel Alloy 625, 718, 925</li> <li>Nickel Aluminum Bronze C63000, Beryllium ToughMet 3AT 110</li> </ul>



Hard facing Welding

UPECA operates a Logistic Hub in Chicago, USA and Székesfehérvár, Hungary for customers located in North America and Europe requiring short order lead time for its products. We can commit to 7 days lead time for client who provides

**UPECA** 



THE PREFERRED TURNKEY MANUFACTURER BY GLOBAL OIL & GAS COMPANIES

# Energy 🧪 Oil & Gas





### **COMPANY OVERVIEW - SENIOR FLEXONICS UPECA**

Senior Flexonics Upeca (UPECA) offers precision machining and assembly for process control, oilfield services and subsea sectors. UPECA delivers value to its customers via operational excellence that is supported by its people and processes.

### INDUSTRY EXPERIENCE

### VALUE PROPOSITION

UPECA provides manufacturing services for high precision metal machining, electro-mechanical assembly and secondary processes. Backed by close to 30 years of excellent track record, we offer world-class services that meet the needs of our multi-national clienteles, which are leading companies in the Energy, Oil & Gas and other Industrial sectors.

- Turnkey Project Management from RFQ to NPI (New Product Introduction) and steady state production.
- In-house engineering teams, with dedicated machining capacity for our strategic customers.
- World class Quality and Delivery Performance.

## **PRODUCT AND SERVICES**

By leveraging on our manufacturing sites located in China and Malaysia, we can offer "Best Cost" pricing and supply chain solutions that strategically improves our customer's competitive advantage in the international marketplace.

UPECA is supported by strong competencies in:

- First Article Inspection
- CAM Software for NC Programming
- CAD Tooling Design and Fabrication
- Engineering and Process-driven R&D

## **OILFIELD DOWNHOLE TOOL**

UPECA offers precision machining and electro-mechanical assembly parts to leading Oilfield Services companies for various applications such as Packer, Liner Hanger, Safety Valve of Completion Tools, Measurement While Drilling (MWD) and Wireline & Perforating of Directional tools.









Safety Valve parts

- Vendor Development and Management
- Turnkey Sourcing solutions
- Program Management

#### VALVE AND ACTUATOR

UPECA offers precision machining parts to leading Valve and Actuator companies. These components are machined from casting and solid, and assembled in various sections of the Valve and Actuator such as Cage, Stem & Plug, Pinion, Bonnet, Housing and End Cap.







Packer, Liner & Hanger parts



Cage parts



Valve Stem & Plug parts

MWD Tool parts

Wireline & Perforating Tool parts



Pinion parts



Casting & Machining parts



Subsea Equipment parts

