

Assuring Our Best Services At All Times

OSS KAZAKHSTAN



НЕФТЕПРОМЫСЛОВОЕ ПРОИЗВОДСТВО

AKTAU

- PUMPS
- VALVES
- ROCKING MACHINE
- DRILLING TOOLS
- OIL COUNTRY TUBULAR GOODS

KAZAKHSTAN - RUSSIA – AZERBAIJAN – TURKMENISTAN - UZBEKISTAN



▪ KAZAKHSTAN - HOLDING "ULY DALA"

THE "ULY DALA" HOLDING IS HIGHLY PROFESSIONAL, DYNAMICALLY DEVELOPING GROUP OF COMPANIES FOCUSED ON DELIVERING EFFECTIVE SOLUTIONS FOR THE CLIENTS. THE GROUP HAS BEEN OPERATING IN THE LOCAL MARKET SINCE 2001 AND CONSISTS OF 8 COMPANIES RENDERING A WIDE RANGE OF WORKS AND SERVICES IN THE OIL AND GAS INDUSTRY. THE GROUP HAS ABOUT 500 PROFESSIONALS EMPLOYED.

PRIMARY ACTIVITY

DRILLING, CEMENTATION OF OIL AND GAS WELLS, COILED TUBING SERVICE, HYDRAULIC FRACTURING (HF) SERVICES, NITRIC COMPRESSOR SERVICES, CAPITAL UNDERGROUND WORKOVER OPERATIONS, TRANSPORT AND LOGISTICS SERVICES, EC&I PROJECTS IMPLEMENTATION, THE HYDRO MECHANICAL PUNCTURING PERFORATION.

STRATEGIC OBJECTIVE - ENTRY INTO NUMBER OF 25 LARGEST PRIVATE COMPANIES OF KAZAKHSTAN BY 2023.

▪ SINGAPORE - OILFIELD SERVICES & SUPPLIES

THE OSS GROUP IS AN ESTABLISHED MANUFACTURER OF TOOLS AND COMPONENTS AS WELL AS A PROVIDER OF SERVICE SOLUTIONS TO THE OIL AND GAS INDUSTRY. THE GROUP OFFERS CRITICAL TURNKEY MANUFACTURING SUPPORT AND ANCILLARY SERVICES (SUCH AS REPAIR AND MAINTENANCE, AND RENTAL AND TRADING OF VARIOUS TOOLS AND COMPONENTS) TO INTERNATIONAL OIL AND GAS SERVICE COMPANIES AND DRILLING CONTRACTORS WHO HAVE A REGIONAL PRESENCE. ESTABLISHED SINCE 1999, OSS HAS GAINED A REPUTATION FOR THE QUALITY OF ITS PRODUCTS AND SERVICES, AND CAN COUNT MAJOR INDUSTRY PLAYERS SUCH AS SERVICE COMPANIES, DRILLING CONTRACTORS, TOOL RENTAL COMPANIES, AND OIL MAJORS AMONGST ITS MAJOR CUSTOMERS.

THE MANUFACTURING HUB OF THE OSS GROUP IS IN SINGAPORE: TOGETHER WITH ITS SATELLITE WORKSHOPS LOCATED IN CHINA, INDIA, MALAYSIA, AND THAILAND, THE GROUP SERVES THE ASIA, AUSTRALASIA, AFRICA, MIDDLE EAST, EUROPE AND AMERICAS MARKETS.

KAZAKHSTAN



SINGAPORE



DEAR PARTNERS!

I AM GLAD TO PRESENT TO YOUR ATTENTION OUR OSS KAZAKHSTAN COMPANY WHICH WAS CREATED ON THE BASIS OF BEST PRACTICES OF THE OIL SECTOR OF SINGAPORE AND KAZAKHSTAN.

HAVING UNITED KNOWLEDGE AND EXPERIENCE IN PRODUCTION WE ARE AIMED AT EFFECTIVE AND DEEP COOPERATION IN THE OIL AND GAS SECTOR OF KAZAKHSTAN AND THE CIS COUNTRIES.

OSS KAZAKHSTAN IS THE YOUNG COMPANY BUT WITH BIG KNOWLEDGE BASE, EXPERIENCE AND TECHNOLOGY.

IN THE TERRITORY OF KAZAKHSTAN AND THE CIS COUNTRIES THE COMPANY PLANS TO REPRESENT PRODUCTION OF THE OIL-FIELD EQUIPMENT AND BORING TOOL.

THE COMPANY IS EQUIPPED WITH THE MOST HIGH-PRECISION EQUIPMENT THAT ALLOWS US TO COMPETE IN THE MARKET OF PRODUCTION OF EXACT DETAILS.

THE MAIN IMPORTANCE FOR THE COMPANY ARE PEOPLE. OBSERVANCE THE TECHNICIAN OF SAFETY AND CONTINUOUS IMPROVEMENT KNOWLEDGE OF PEOPLE IS AT THE HEAD OF THE COMPANY.

I WISH TO PARTNERS AND COLLEAGUES OF THE COMPANY OF PROGRESS AND EFFECTIVE COOPERATION.



YESBOSSYNOV CHINGIS
CEO
OSS KAZAKHSTAN

HEALTH AND SAFETY STANDARTS



■ HEALTH AND SAFETY IN THE WORK PLACE

SAFETY IS THE MAIN PRIORITY OF THE CORPORATE PHILOSOPHY OF THE COMPANY "OSS KAZAKHSTAN". THE COMMITMENT OF THE COMPANY'S MANAGEMENT AND STAFF TO THE COURSE OF OCCUPATIONAL SAFETY AND PRODUCTION IS CONFIRMED AND ENSURED BY THE CREATION OF ALL NECESSARY CONDITIONS FOR SUCH A LEVEL OF WORK ORGANIZATION, WHICH WOULD EXCLUDE THE POSSIBILITY OF ACCIDENTS, INJURIES AND DAMAGES, THAT IS, DAMAGE TO THE HEALTH OF THE EMPLOYEE. ALL PRODUCTION TEAMS ARE CONSTANTLY MONITORING THE STATUS OF TS. THE STAFF IS FULLY PROVIDED WITH OVERALLS AND PERSONAL PROTECTIVE EQUIPMENT, INCLUDING MINI FILTERS AND GAS ANALYZERS, ACCORDING TO THE REQUIREMENTS OF STATE STANDARDS. IN "OSS KAZAKHSTAN" THE SYSTEM OF TRAINING OF EMPLOYEES AT ALL LEVELS OF SPECIFICITY AND STANDARDS AND REQUIREMENTS OF THE TS .



SAFETYFIRST

HEALTH AND SAFETY STANDARTS

- FIRST AID IN THE WORK PLACE



- PERSONAL PROTECTIVE EQUIPMENT



- PROTECTION AND FIRE-FIGHTING EQUIPMENT



- ELECTRICAL SAFETY



- MACHINE & EQUIPMENT SAFETY



- ENVIRONMENTAL SAFETY



- INTERNAL SAFETY TRAINING



- SAFE DRIVING

DRIVESAFE





SMART AND EXACT EQUIPMENT



■ MACHINE EQUIPMENT

LATHES MACHINING CENTERS

VERTICAL MACHINING CENTER

UNIVERSAL CYLINDRICAL GRINDING MACHINES

PRECISION SURFACE GRINDING MACHINES

PIPE THREAD CNC MACHINE

RADIAL DRILLING MACHINES

CUTTING MACHINE

LASER CUTTING

WELDING STATION

PHOSPHATING SYSTEM

HIGH PRESSURE CLEANING JET

SHOT-PEENING UNIT

BEAD-BLASTING UNIT

HARDFACING BAY



BEST QUALITY FOR ALL TIMES



■ SINGAPORE QUALITY CONTROL

WE IMPLEMENT A QUALITY MANAGEMENT SYSTEM (“QMS”) THAT COMPLIES WITH THE API Q1 AND ISO 9001:2015 STANDARDS, AND THE RELEVANT API MONOGRAM LICENCE REQUIREMENTS (SUCH AS API 7-1 AND API 5CT).



■ KAZAKHSTAN QUALITY CONTROL

THE COMPANY SUCCESSFULLY OPERATES AN INTEGRATED MANAGEMENT SYSTEM, INCLUDING ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, ISO 5001:2011, ST RK ISO 9001:2016, GOST ISO/IEC 17025-2009, WHICH IS AIMED AT ENSURING THE INTEGRITY OF THE PRODUCTION OF COMPETITIVE PRODUCTS THAT MEET THE REQUIREMENTS OF CONSUMERS IN A SAFE ENVIRONMENT WITH MINIMAL IMPACT ON THE ENVIRONMENT.



LIST OF THE MANUFACTURED EQUIPMENT

■ PUMPING UNIT

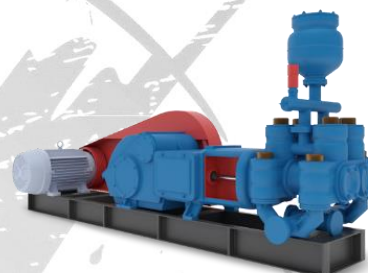
THE PUMPING UNIT HUDSON IS THE MODERNIZED PNSH-80, SKDR-8, PSHGN-8 REPEATING ALL TECHNICAL CHARACTERISTICS OF A PROTOTYPE. HUDSON DIFFERS FROM THE PREDECESSORS IN A NUMBER OF ADVANTAGES. BESIDES, THE MAIN KNOTS HUDSON ARE COMPLETELY INTERCHANGED WITH PUMPING UNITS OF EARLIER PRODUCTION. THE PUMPING UNIT IS EQUIPPED MODERN TELEMETRIC THE EQUIPMENT AND AN INTELLECTUAL CONTROL SYSTEM. THIS MODEL IS DEVELOPED WITH RESPECT FOR ALL TECHNICAL STANDARDS OF SAFETY OF PRODUCTION AND ANSWERS HIGH REQUIREMENTS OF QUALITY.



STANDARD SIZE	<u>HUDSON</u> <u>80-3-40</u>	<u>HUDSON</u> <u>80-3-40-01</u>	<u>HUDSON</u> <u>80-3-40-02</u>	<u>HUDSON</u> <u>80-3-40-03</u>
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■ PUMP

THE BORING PUMP BP-125 — HORIZONTAL, TWO-CYLINDER, BILATERAL ACTION, DRIVING WITH THE BUILT-IN GEAR REDUCER. THE PUMP IS INTENDED FOR FORCING OF WASHING FLUID WHEN DRILLING OIL AND GAS WELLS, FOR FORCING OF LIQUID ENVIRONMENTS WHEN PERFORMING FLUSHING AND SQUEEZING WORKS IN THE COURSE OF WORKOVER, FOR WATER INJECTION IN LAYER FOR AN OIL PRODUCTION INTENSIFICATION, FOR PUMPING OF VARIOUS NONAGGRESSIVE LIQUIDS, INCLUDING THE FLOODED OIL.



DESIGNATION OF THE PUMP	EXECUTION	DIMENSIONS, MM	WEIGHT, KG
BP-125-01	WITHOUT PULLEY AND A FRAME	2353X886X1960	2740
BP-125-02	WITH A PULLEY AND WITHOUT FRAME	2353X980X1960	3100
BP-125-03	WITH A PULLEY AND ON A FRAME	2353X980X2005	3190

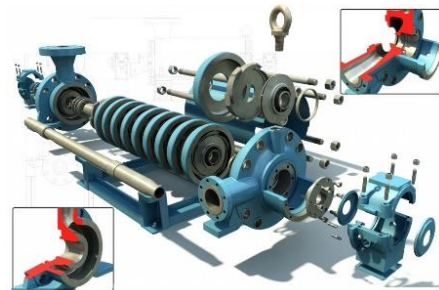
AT THE REQUEST OF THE CUSTOMER ALL MODELS CAN BE MODERNIZED AS IT IS CONSTRUCTIVE AND INTELLECTUAL

LIST OF THE MANUFACTURED EQUIPMENT

■ PUMPING UNIT

HIGH-PRESSURE PUMPS OF THE CSP TYPE ARE DESIGNED FOR PUMPING CLEAN WATER, AGGRESSIVE AND NON-AGGRESSIVE OILFIELD WATER INTO OIL TANKS. IT IS USED IN THE OIL INDUSTRY, METALLURGICAL ENTERPRISES, MINING ENTERPRISES.

CSP HUDSON — CENTRIFUGAL SECTIONAL PUMP; 180 – FLOW, M³/H; 1422 – HEAD, M; O – EXECUTION OF GENERAL INDUSTRIAL; K – PERFORMANCE CORROSION-RESISTANT; C – SHAFT SEAL; T – SHAFT SEAL FACE



CSP 45-1900	CSP 240-1422	CSP 180-1900
CSP 180-1422	CSP 90-1400	CSP 630-1700
CSP 220-1422	CSP 180-1050	

■ X-MAS TREE

FITTINGS FOUNTAIN (CHRISTMAS TREE) IS PART OF THE WELLHEAD EQUIPMENT AND IS DESIGNED FOR THE EQUIPMENT OF THE MOUTH OF THE SURFACE OF THE FOUNTAIN OIL AND GAS WELLS IN ORDER TO SEAL THE MOUTH, ITS BINDING, SUSPENSION OF THE TUBING LIFTING COLUMN, INSTALLATION OF ESS, CONTROL AND REGULATION OF THE MODE OF OPERATION OF WELLS, OVERLAP AND DIRECTION OF THE EXTRACTED PRODUCTS IN THE PIPELINE, AS WELL AS FOR THE NECESSARY TECHNOLOGICAL OPERATIONS ON THE WELL. THE FITTINGS OF THE FOUNTAIN AFK ARE INSTALLED ON THE COLUMN STRAPPING OF WELLS IN THE PROCESS OF THEIR DEVELOPMENT AND TESTING. THROUGH THE FOUNTAIN FITTINGS (CHRISTMAS TREE) CARRY OUT TECHNOLOGICAL OPERATIONS AND THE DESCENT OF DOWNHOLE EQUIPMENT, TOOLS AND DEVICES.



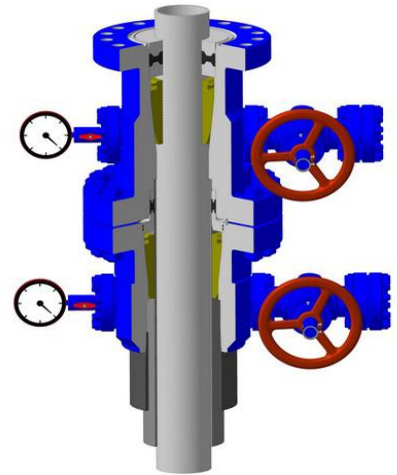
WORKING ENVIRONMENT	PRODUCTION OF OIL AND GAS WELLS
CLIMATIC VERSION	HC
OPERATING AMBIENT TEMPERATURE RANGE	FROM -60 TO +40
WORKING MEDIUM TEMPERATURE	+120 C
THE WAY OF SUSPENSION OF DOWNHOLE TUBING	IN THE SUB TO THE PIPE HEAD



LIST OF THE MANUFACTURED EQUIPMENT

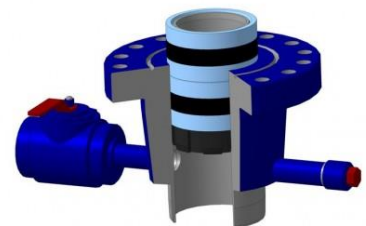
▪ EQUIPMENT TO A WELLHEAD

THE PRESENTED EQUIPMENT FOR STRAPPING CASING IS PART OF THE WELLHEAD EQUIPMENT AND IS DESIGNED FOR STRAPPING CASING. IT IS ALSO POSSIBLE TO CARRY OUT SUCH TECHNOLOGICAL OPERATIONS AS PRESSURE REDUCTION IN THE INTER-COLUMN SPACE, INJECTION OF CEMENT AND OTHER PLUGGING MATERIALS INTO THE INTER-COLUMN SPACE, ETC. THE COLUMN HEAD, BY MEANS OF WHICH CASING STRINGS ARE TIED AND SUSPENDED DURING DRILLING AND OPERATION, ALSO SERVES AS THE BASIS FOR INSTALLATION OF FOUNTAIN FITTINGS AND PRESSURE CONTROL IN INTER-COLUMN SPACES. PACKERS ARE PROVIDED FOR RELIABLE SEALING OF INTER-COLUMN SPACES. AS A SHUT-OFF DEVICE MANIFOLD UNITS STRAPPING OF COLUMNS USED VALVE TYPE VMT. TODAY, OUR ENTERPRISE HAS DEVELOPED A FULL RANGE OF EQUIPMENT TO WELLHEAD. ANY MODIFICATIONS AND SIZES OF STRAPPING ARE POSSIBLE FOR DIFFERENT CONDITIONS OF USE IN FISHERIES.



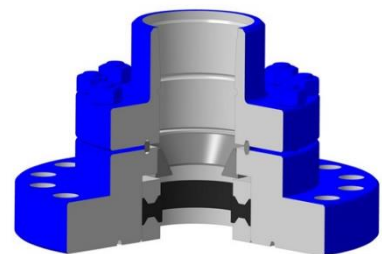
▪ COLUMN EQUIPMENT

COLUMN EQUIPMENT FOR WELLHEAD STRAPPING WITH MUFF SUSPENSION IS DESIGNED FOR STRAPPING THE UPPER ENDS OF TWO ADJACENT CASING STRINGS PROTRUDING ABOVE THE WELLHEAD, IN ORDER TO SUSPEND THE COLUMNS, SEALING AND DISCONNECTING THE SPACE BETWEEN THEM AND CONTROLLING THE PRESSURE IN IT DURING DRILLING AND OPERATION OF WELLS.



▪ FLANGE TRANSITION

THE TRANSITIONAL FLANGE IS DESIGNED TO CONNECT THE FITTINGS OF THE FOUNTAIN OR BLOWOUT EQUIPMENT TO THE COLUMN HEAD.

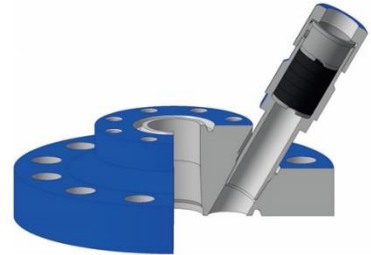


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LIST OF THE MANUFACTURED EQUIPMENT

▪ CABLE ENTRY

THE CABLE GLAND IS DESIGNED TO SEAL THE CABLE CORES PASSING THROUGH THE FOUNTAIN VALVES EQUIPPED WITH ESS. CABLE GLAND PROVIDES HIGH TIGHTNESS DURING WELL OPERATION. THE USE OF CABLE ENTRY VK1/VK2 PROVIDES EASE OF INSTALLATION AND DISMANTLING OPERATIONS. THE VERSATILITY OF THE CABLE ENTRY IS DETERMINED BY THE DIVERSITY OF THE DIAMETERS OF THE HOLES FOR THE CABLE CORES AND CONNECTING THREADS.



▪ MANIFOLD PIPES

MANIFOLD PIPES – A PART OF THE PIPELINE OF A CERTAIN LENGTH FOR QUICK CONNECTION BETWEEN THEMSELVES AND OTHER UNITS OR EQUIPMENT, THE CONNECTION CAN BE CARRIED OUT WITH THE HELP OF BRS OR FLANGES. MANIFOLD PIPES ARE USED IN THE OIL AND GAS INDUSTRY IN PROCESS PIPELINES TO COMBINE COMPONENTS AND EQUIPMENT TOGETHER FOR THE PURPOSE OF TRANSPORTING WORKING MEDIA. THE WORKING MEDIUM CAN BE A VARIETY OF SUBSTANCES: WATER, OIL, PETROLEUM PRODUCTS, ALKALIS, INHIBITED ACID SOLUTIONS, CEMENT AND CLAY SOLUTIONS, AND OTHER PROCESS FLUIDS.



▪ MANIFOLD PIPES

CONNECTIONS HINGED (SSH, THE EDS) ARE CONNECTING ELEMENTS OF PIPELINES WHICH ARE USED FOR CONNECTION AND ORIENTATION OF QUICKLY COMBINED PIPELINES.

PIPELINES CONNECT PUMP INSTALLATIONS WITH WELL HEAD FITTINGS AT HYDROSANDING PERFORATION, A HYDRAULIC RUPTURE OF LAYERS, CEMENTATION OF WELLS IN THE COURSE OF DRILLING AND WORKOVER, WASHING OF SANDY TRAFFIC JAMS, ACID PROCESSINGS OF WELLS AND OTHER TECHNOLOGICAL OPERATIONS.

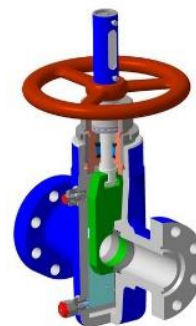
CONNECTIONS HINGED ALLOW TO CHANGE QUICKLY FLOW DIRECTION OF A WORKING ENVIRONMENT AND TO BRING TOGETHER NETWORK OF PIPELINES OF VARIOUS CONFIGURATIONS.



LIST OF THE MANUFACTURED EQUIPMENT

■ VALVES

PRECAST VALVE WITH A GATE OPERATING INSIDE THE HOUSING AND INSTALLED AT AN ANGLE OF 90° TO THE PIPELINE, IS USED TO SEAL THE FLOW OF THE WORKING MEDIUM. THE VALVE IS A RELIABLE LOCKING MECHANISM OPERATING UNDER HIGH PRESSURE. THE MAIN MATERIALS - GATE AND SADDLE, MADE OF ALLOY STAINLESS STEEL WITH VOLUMETRIC HARDENING AND COATING, RESISTANT TO WEAR AND BULLYING. THIS TYPE OF VALVES IS RECOGNIZED AS THE MOST RELIABLE AND EASY TO OPERATE



TITLE	DU, MM	MPA, (PSI)	MM	L, MM	H, MM
50x14 M	50	14(2000)	D 165	295	560
50x14 M-P			TUBING 60	245	560
65X14 M	65		D 195	350	620
50X21 M	50	21(3000)	D 215	370	560
50X21 M-P			TUBING 60	245	560
1 65X21 M	65	21(3000)	D 195	350	500
2 65X21 M			D 245	422	500
1 65X35 M		35(5000)	D 195	350	500
2 65X21 M			D 245	422	500

■ BALL VALVE

PRECAST VALVE WITH A GATE OPERATING INSIDE THE HOUSING AND INSTALLED AT AN ANGLE OF 90° TO THE PIPELINE, IS USED TO SEAL THE FLOW OF THE WORKING MEDIUM. THE VALVE IS A RELIABLE LOCKING MECHANISM OPERATING UNDER HIGH PRESSURE. THE MAIN MATERIALS - GATE AND SADDLE, MADE OF ALLOY STAINLESS STEEL WITH VOLUMETRIC HARDENING AND COATING, RESISTANT TO WEAR AND BULLYING. THIS TYPE OF VALVES IS RECOGNIZED AS THE MOST RELIABLE AND EASY TO OPERATE



AT THE REQUEST OF THE CUSTOMER ALL MODELS CAN BE MODERNIZED AS IT IS CONSTRUCTIVE AND INTELLECTUAL

LIST OF THE MANUFACTURED EQUIPMENT

▪ RESERVOIR

UNDERGROUND STORAGE TANK AND UNDERGROUND WITH HEATER ARE USED TO STORE FUEL OR OTHER FLUIDS. TANKS HAVE TWO HIGH NECKS, ONE OF WHICH IS USED TO INSTALL THE PUMP, AND THE SECOND IS USED AS A MANHOLE. TANKS WITH AND WITHOUT HEATING ARE MADE WITH CONICAL BOTTOMS, BUT IN SOME CASES ELLIPTICAL BOTTOMS ARE USED. INTERNAL COOLING COIL CAPACITY OF THE SERVES TO MAINTAIN A PREDETERMINED TEMPERATURE ENVIRONMENT IN THE TANK. AT THE REQUEST OF THE CUSTOMER, IT IS POSSIBLE TO APPLY PROTECTIVE COATINGS INSIDE THE TANK, AS WELL AS COMPLETE THE TANKS WITH ALL NECESSARY VALVES AND PUMPS.



8-20000-1300	8	2.8
12,5-2000-1300	12,5	3,25
16-2000-1300	C16	3,61
25-2400-900	25	4,36
40-2400-1000	40	5,95
63-3000-1000	63	9

▪ GAS SEPARATOR

GRID GAS SEPARATORS OF THE GS TYPE ARE THE EQUIPMENT INTENDED FOR FINAL PURIFICATION OF GAS FROM LIQUID ENVIRONMENTS, IN PARTICULAR FROM OIL. GAS SEPARATORS HAVE A WIDE RANGE OF APPLICATIONS. THEY CAN BE USED IN CHEMICAL, OIL AND GAS PRODUCTION PLANTS, UNDERGROUND STORAGE, ETC. TECHNICAL PARAMETERS THE GAS SEPARATOR OF TYPE GS 1 AND GS 2 IS A VERTICAL CYLINDRICAL CONTAINER, WHILE GS1 HAS NO INSPECTION HATCH, BUT IS EQUIPPED WITH A HOUSING FLANGE CONNECTOR. BOTH TYPES OF MESH SEPARATORS CAN BE THERMALLY PROCESSED, AND ALSO HAVE DETAILS FOR FASTENING OF THERMAL INSULATION. THE TYPE OF DEVICE, ITS VOLUME, COMPOSITION OF INSTRUMENTATION AND OTHER TECHNICAL CHARACTERISTICS ARE DETERMINED BY THE SPECIFIC TASKS AND REQUIREMENTS OF THE CLIENT.

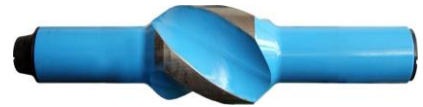




LIST OF THE MANUFACTURED EQUIPMENT

▪ ALLOY STEEL STABILISER

OUR ALLOY STABILISERS ARE MANUFACTURED FROM AISI 4145 H MODIFIED STEEL SPECIFICATIONS, FULLY HEAT TREATED TO THE REQUIRED BRINELL HARDNESS TESTING AND YIELD STRENGTH REQUIREMENTS. THE SPIRAL STABILISER BLADES ARE MACHINED TO PROVIDE MAXIMUM MUD CIRCULATION AND ARE HARDFACED TO PROVIDE TOUGH WEAR RESISTANCE. THE THREAD CONNECTIONS ARE MACHINED AND GAUGED TO API SPECIFICATIONS



▪ NON-MAGNETIC DRILL COLLAR

OUR GROUP'S NON-MAGNETIC DRILL COLLARS ARE MANUFACTURED FROM HEAT-TREATED MATERIAL FOR OPTIMUM STRENGTH AND DUCTILITY IN THE CRITICAL THREADED SURFACE. THESE DRILL COLLARS ARE MADE FROM SELECTED BARS OF CHROMIUM MOLYBDENUM ALLOY STEEL WITH CHEMISTRIES SPECIALLY FORMULATED FOR DOWN-HOLE TOOLS.



▪ STABILISER SLEEVES

OUR STABILISER SLEEVES ARE AVAILABLE IN DIFFERENT CONFIGURATIONS AND ARE MANUFACTURED FROM A SINGLE PIECE OF MATERIAL (AISI 4145 H MODIFIED STEEL, AISI 4140 STEEL OR NON-MAGNETIC GRADES) FOR OPTIMUM INTEGRAL STRENGTH.



▪ PUP JOINTS

OUR PUP JOINTS ARE MANUFACTURED FROM CHROMIUM, MOLYBDENUM ALLOY STEEL WHICH CONFORMS TO AISI 4145 H MODIFIED STEEL SPECIFICATIONS OR OTHER TYPES OF MATERIALS SPECIFIED BY CUSTOMERS. THESE PUP JOINTS ARE FULLY HEAT TREATED TO THE REQUIRED BRINELL HARDNESS TESTING AND YIELD STRENGTH REQUIREMENTS, AND SUPPLIED IN ACCORDANCE TO API SPECIFICATIONS.



AT THE REQUEST OF THE CUSTOMER ALL MODELS CAN BE MODERNIZED AS IT IS CONSTRUCTIVE AND INTELLECTUAL

LIST OF THE MANUFACTURED EQUIPMENT

▪ CROSSOVER SUBS

OUR CROSSOVER SUBS ARE MANUFACTURED FROM AISI 4145 H MODIFIED STEEL, IN ACCORDANCE TO REQUIREMENTS OF API SPECIFICATIONS AND CAN BE MANUFACTURED IN VARIOUS SIZES AND LENGTHS TO MEET CUSTOMERS' NEEDS. THREAD ROOTS CAN BE COLD ROLLED AND PHOSPHATE TO MINIMIZE GALLING.



▪ MWD / LWD COMPONENTS

OUR GROUP PROVIDES TURNKEY MANUFACTURING OF COMPONENTS THAT ARE USED TO ASSEMBLE INTO MWD AND LWD TOOLS. MANY OF THESE PRODUCTS REQUIRE THE USE OF EXOTIC MATERIALS SUCH AS SUPERALLOYS (ALSO KNOWN AS HIGH-PERFORMANCE METAL ALLOYS).



REPAIR AND MAINTENANCE

UNDER OUR REPAIR AND MAINTENANCE BUSINESS SEGMENT, OUR GROUP REPAIRS AND RETHREADS TOOLS AND COMPONENTS FOR CUSTOMERS SO THAT THESE TOOLS AND COMPONENTS CAN BE RE-USED. SUCH TOOLS AND COMPONENTS INCLUDE ALLOY STEEL STABILISERS, FLOAT SUBS, DRILL COLLARS, DRILLING JARS, CROSSOVER SUBS AND DRILL PIPES.

MACHINING SERVICES

OUR GROUP HAS THE EXPERTISE TO REPAIR CUSTOMERS' TOOLS AND COMPONENTS TO HELP REDUCE THEIR INVENTORY COSTS BY EXTENDING THE USEFUL LIVES OF THESE TOOLS AND COMPONENTS. PITTED SURFACES ON THE EXTERNAL AND INTERNAL DIAMETER OF THE TOOLS CAN BE REMOVED BY TURNING DOWN OR BORING THROUGH THESE SURFACES. THREADED CONNECTIONS CAN BE RECHASED, REFACED, OR RECUT.

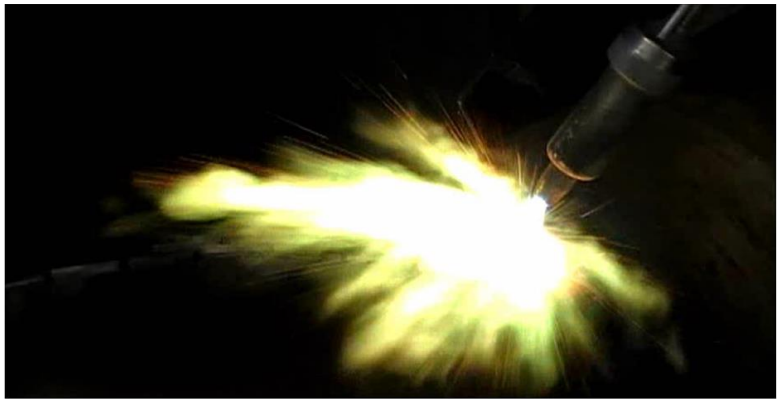




LIST OF THE MANUFACTURED EQUIPMENT

HARD-FACING

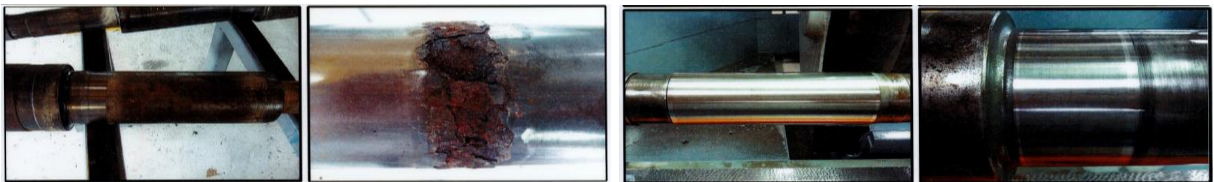
OUR GROUP OFFERS A COMPLETE RANGE OF HARD-FACING OF TOOLS TO SUIT VARIOUS DRILLING CONDITIONS. WE HAVE LEVERAGED ON OUR EXPERIENCE AND TECHNICAL KNOW-HOW TO IMPROVE ON, AND TO DEVELOP EXPERTISE ON, WEAR RESISTANCE AND OTHER CHARACTERISTICS AS WELL AS MATRIX HARDNESS. STABILISERS ARE TYPICALLY SHIPPED BACK TO OUR GROUP TO STRIP THE WORN HARD-FACING OF A TOOL, REAPPLY THE REQUIRED PROCESS BY COATING THE TOOL WITH CARBIDE, GRIND IT BACK TO THE SPECIFIED SIZE, AND THEN DELIVERED BACK TO CUSTOMERS FOR CONTINUED DRILLING OPERATIONS. THIS WILL ALLOW OUR CUSTOMERS TO PROLONG THE USEFUL LIVES OF THE TOOLS.



Actual HF 3000 Powder Fusing Process

OUR GROUP HAS ACQUIRED CAPABILITIES TO EMPLOY HIGH VELOCITY OXYGEN FUEL COATING, PLASMA TRANSFERRED ARC WELDING AND LASER CLADDING TECHNOLOGIES WHICH YIELD HIGH PRECISION AND HOMOGENEITY IN DEPOSITING POWDER ONTO THE BASE MATERIAL. THE COATINGS AND OVERLAYS IMPART GREATLY IMPROVED PERFORMANCE OF THE DESIRED CHARACTERISTICS, SUCH AS IMPACT RESISTANCE, SLIDING WEAR, CORROSION PROTECTION, FRICTION MODIFICATION AND SPECIFIC ELECTRICAL PROPERTIES IN ADDITION TO WEAR RESISTANCE, TO THE TOOLS.

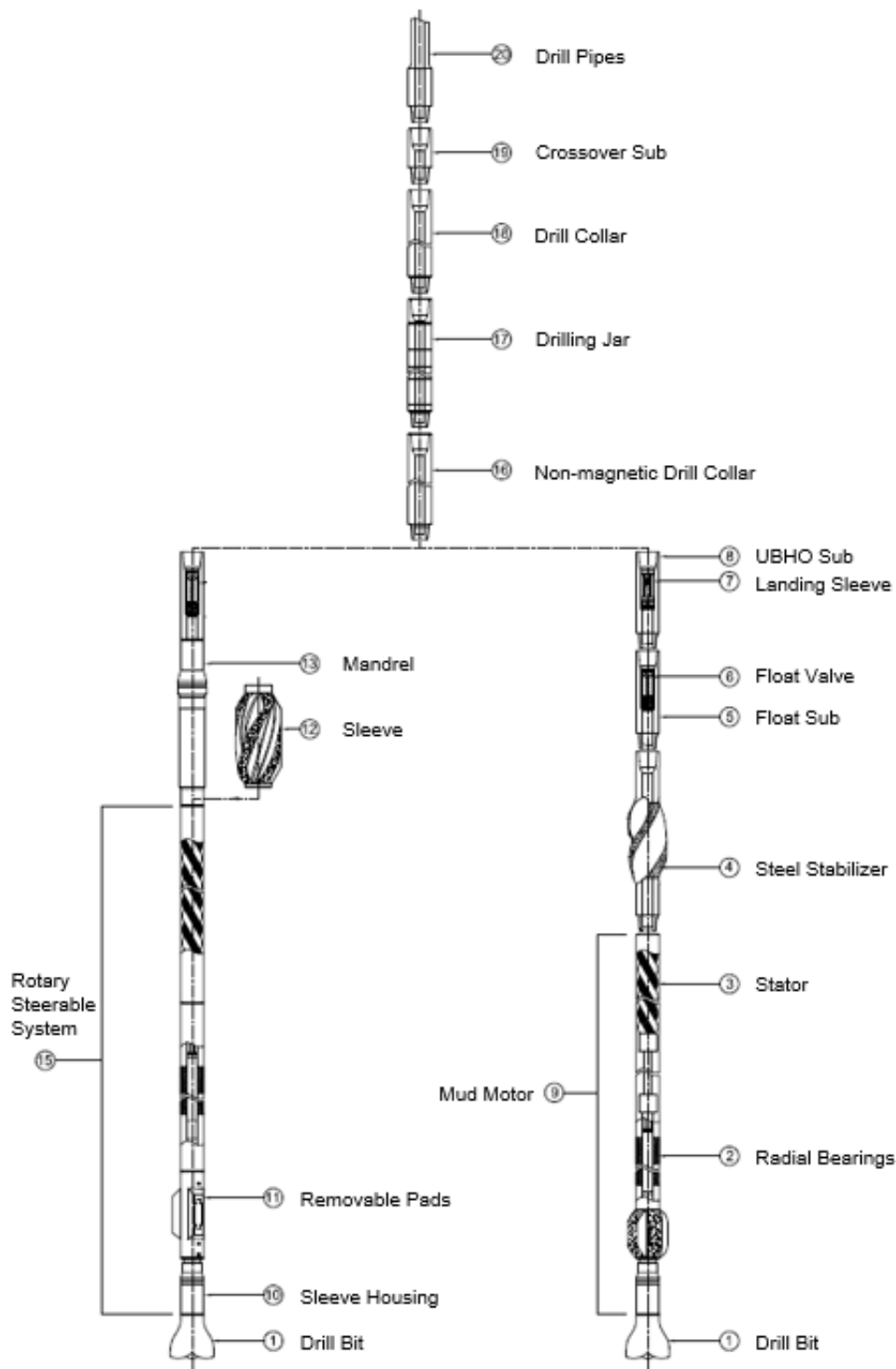
HIGH VELOCITY OXY-FUEL (HVOF) CAN BE USED TO REPAIR OD SURFACE PITTING:



THE HIGH POWER FIBRE DIODE OF LASER CLADDING PROVIDES PRECISE CONTROL OVER HEAT INPUT, MAKING IT SUITABLE TO BE APPLIED ON EXOTIC MATERIALS AND THIN-WALLED TOOLS DUE TO THE LOW HEAT DISTORTION. TUNGSTEN CARBIDE, TITANIUM, NICKEL, COBALT ALLOYS ETC CAN BE APPLIED USING LASER.



LIST OF THE MANUFACTURED EQUIPMENT





OUR PARTNERS AND CUSTOMERS

FROM THE SINGAPORE SIDE



FROM THE KAZAKHSTAN SIDE



OSS KAZAKHSTAN

REPUBLIC OF KAZAKHSTAN, 130000, MANGYSTAU REGION,
AKTAU, INDUSTRIAL ZONE NO. 6, SITE NO. 91/2.

TEL: +7 701 387 36 37

INFO@OSSAPI.KZ WWW.OSSAPI.KZ





OSS KAZAKHSTAN

REPUBLIC OF KAZAKHSTAN, 130000, MANGYSTAU REGION,
AKTAU, INDUSTRIAL ZONE NO. 6, SITE NO. 91/2.

TEL: +7 701 387 36 37

INFO@OSSAPL.KZ

WWW.OSSAPL.KZ