

Hydraulic Torque Wrench System

CAPABILITY SHEET · WRENCH · PUMP · CHART · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	A wrench controls torque. A bolt needs tension. The gap between them is friction.
WHY IT MATTERS	The turning is made repeatable and the joint is brought up evenly, in stepped passes, so no bolt carries less than its share.

THE SET

WRENCH AND ARM	A low-profile or square-drive hydraulic wrench head, with reaction arms and sockets made to the customer's nuts.
PUMP AND HOSES	An electric or air-driven pump with a pressure regulator, and twin-line hoses with quick couplings.
CHART AND CALIBRATION	A pressure-to-torque chart made for the wrench, from its own calibration on a torque transducer.
RECORD	Pressure, passes and the wrench's last calibration kept, one record for each joint.

THE METHOD

ORDER	Select, fit, set, tighten, check and record. The target and the stepped passes are what a rushed job skips.
LIMITS	The torque for a joint comes from the joint's designer and is not printed here.

CONFIGURATIONS

WRENCH SET	A hydraulic wrench with its sockets and reaction arms, made to the customer's nut sizes, in a case.
SET WITH POWER PACK	The wrench set with twin hoses and a pump, electric or air-driven, ready to use.
SET WITH CALIBRATION	The set with a pressure chart made from its own calibration, and a record the customer can keep.

STANDARDS & SCOPE

STANDARDS	Public references: ASME PCC-1 for flange joint assembly, ISO 898-1 for bolts and studs, and ISO 4413 for hydraulic fluid power.
SCOPE BOUNDARY	It is not a calibration bench, not a spreader, not a plant power skid, and not a bolt tensioner.
STATUS	Neometrix has quoted against successive hydraulic torque wrench and power pack requirements, and no delivered hydraulic torque wrench system is claimed.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com
Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India