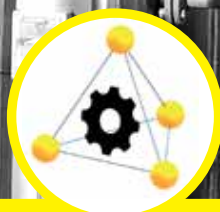


**DESIGN
SUPPLY
PRODUCTION**



3V Tech

**SCIENCE
RESEARCH
DEVELOPMENT
TECHNOLOGY**

MACHINERY DESIGN, PRODUCTS AND PROCESS TECHNOLOGY SERVICES

Design and process engineering

We understand processes

- ▶ mixing
- ▶ flow
- ▶ crushing
- ▶ milling
- ▶ sorting
- ▶ sterilization
- ▶ hydrolyzation
- ▶ drying
- ▶ evaporation
- ▶ separation and filtration
- ▶ heat recuperation
- ▶ waste thermal processing
- ▶ carbonization, pyrolysis
- ▶ expansion

**We ensure and provide
laboratory and pilot testing
designed technologies,
apparatus and devices.**



LIQUID AND GAS FLOW

Calculations, design and development devices for liquid and gas flow - piping systems, liquid mixing, separation, pneumatical transportation, filtration, centrifugation, fluidization.

HEAT SHARING

Calculations, design and development heat devices, heat exchangers, cookers, hydrolyzers, dryers, evaporation stations, pyrolyzers.

MASS SHARING

Calculations, design and development devices for mass transfer - reactors, extractors, destilators, absorbers, desublimators, adsorbers, condensers.

MECHANICAL PROCESSES

Calculations, design and development machinery for milling, crushing, sorting.



We follow the laws of physics - 40 years of experiences

Engineering

ENERGETIC AND MASS BALANCE CALCULATIONS OF DEVICES AND TECHNOLOGICAL LINES

We process mass balance calculation technological lines for project preparation.

ENERGETIC SAVINGS

We process measures to reduce energy intensity devices and technological lines.

ANALYSIS OF PRODUCTION COSTS OF THE TECHNOLOGICAL LINE AND CALCULATION OF RETURN OF INVESTMENT

We will perform economic analyzes of the effectiveness of technological investment in cooperation with the investor.

TECHNOLOGICAL LINES DESIGN

We design the optimal technology according to the customers need.

CONSTRUCTION DESIGN OF APPARATUS, MACHINERY AND DEVICES

Many years of experience of our employees allow us to optimize the design of apparatus, machines and equipment.

PRODUCTION DESIGN DOCUMENTATION

We process production design documentation for our own production or for the customer's production.

DESIGN PROPOSAL OF THE TECHNOLOGICAL LINE

We perform basic projects, implementation projects, project documentation.

STRENGTH ANALYSIS

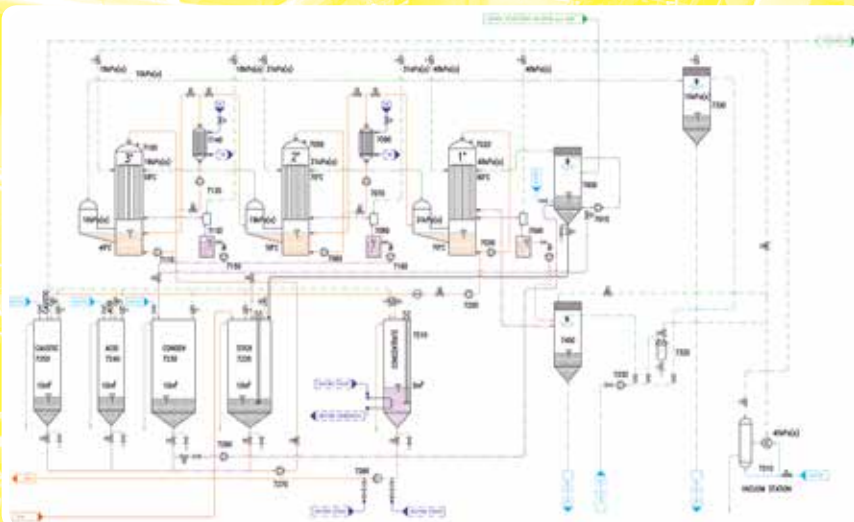
We ensure calculations and analyzes in the filed of structural design of apparatus, machinery and equipment.

LIFE-TIME ANALYSIS

We analyse existing apparatus and pressure devices for rest life-time.

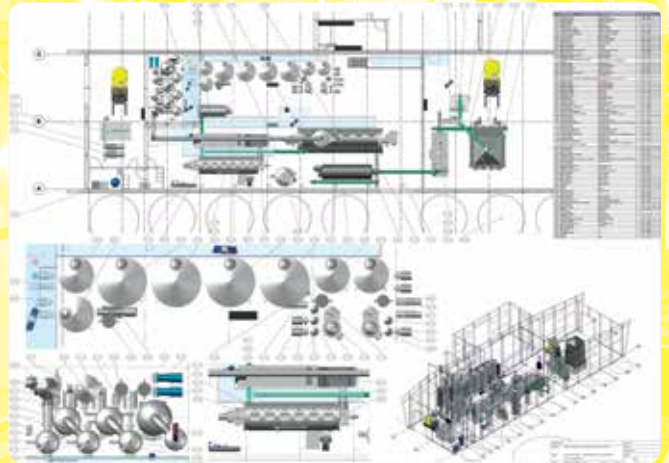
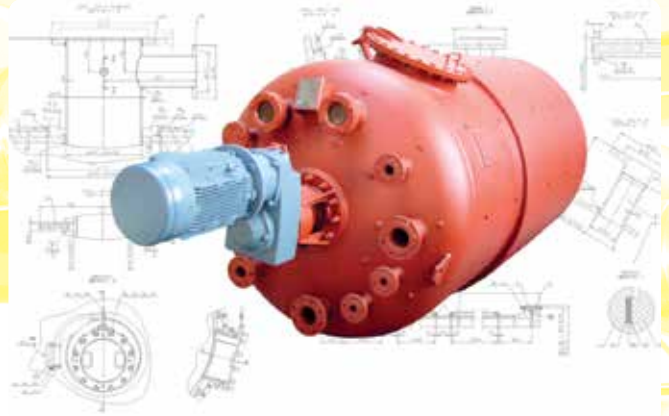
SUPPLY ACTIVITY

We supply technological machinery, ensure montage and commissioning.



Tailor-made production and supply

- ▶ autoclaves
- ▶ mixing apparatus
- ▶ desublimers
- ▶ absorbers
- ▶ vacuum apparatus
- ▶ venulets, paddle dryers
- ▶ continuous disc dryers
- ▶ screw dryers
- ▶ fluid dryers
- ▶ vibrofluid dryers
- ▶ heat tube exchangers
- ▶ hot air exchangers
- ▶ evaporation stations
- ▶ sterilizers
- ▶ hydrolyzers
- ▶ cookers
- ▶ crushers
- ▶ sorters
- ▶ filters
- ▶ pressure vessels
- ▶ rotary valves - air lock devices
- ▶ conveyors
- ▶ carbonizers
- ▶ filter centrifuges
- ▶ mixers



3V Tech

More information: www.3vtech.cz

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