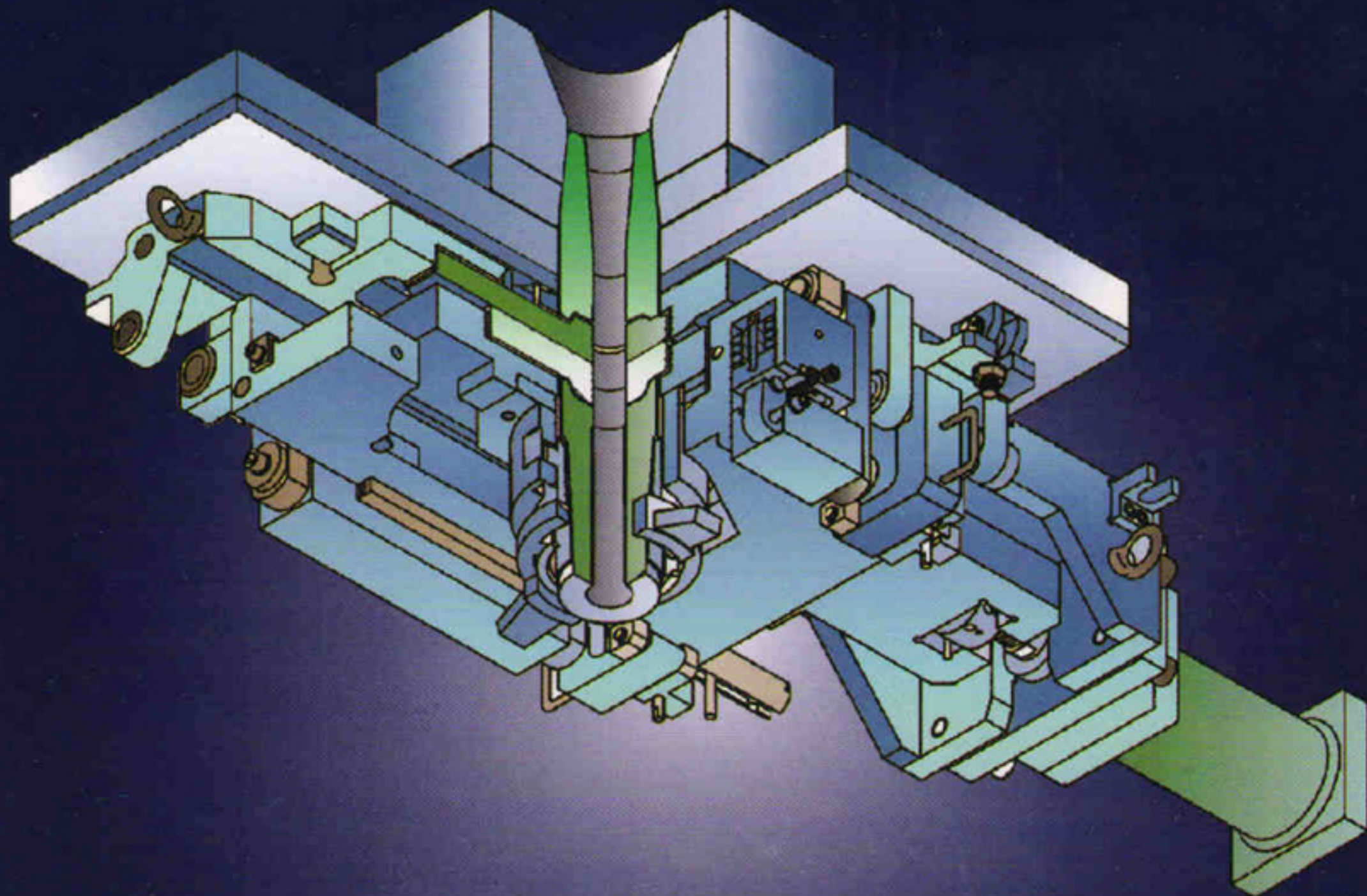



FF SERIES LADLE SLIDE GATE

In Technical Collaboration with

KROSAKI HARIMA CORPORATION, JAPAN



- Low Nitrogen pick up
- Online tolerance checking
- Plate crack control
- Simple & robust
- Tool free face pressure loading
- Increased refractory life

 **IFGL REFRACTORIES LTD.**

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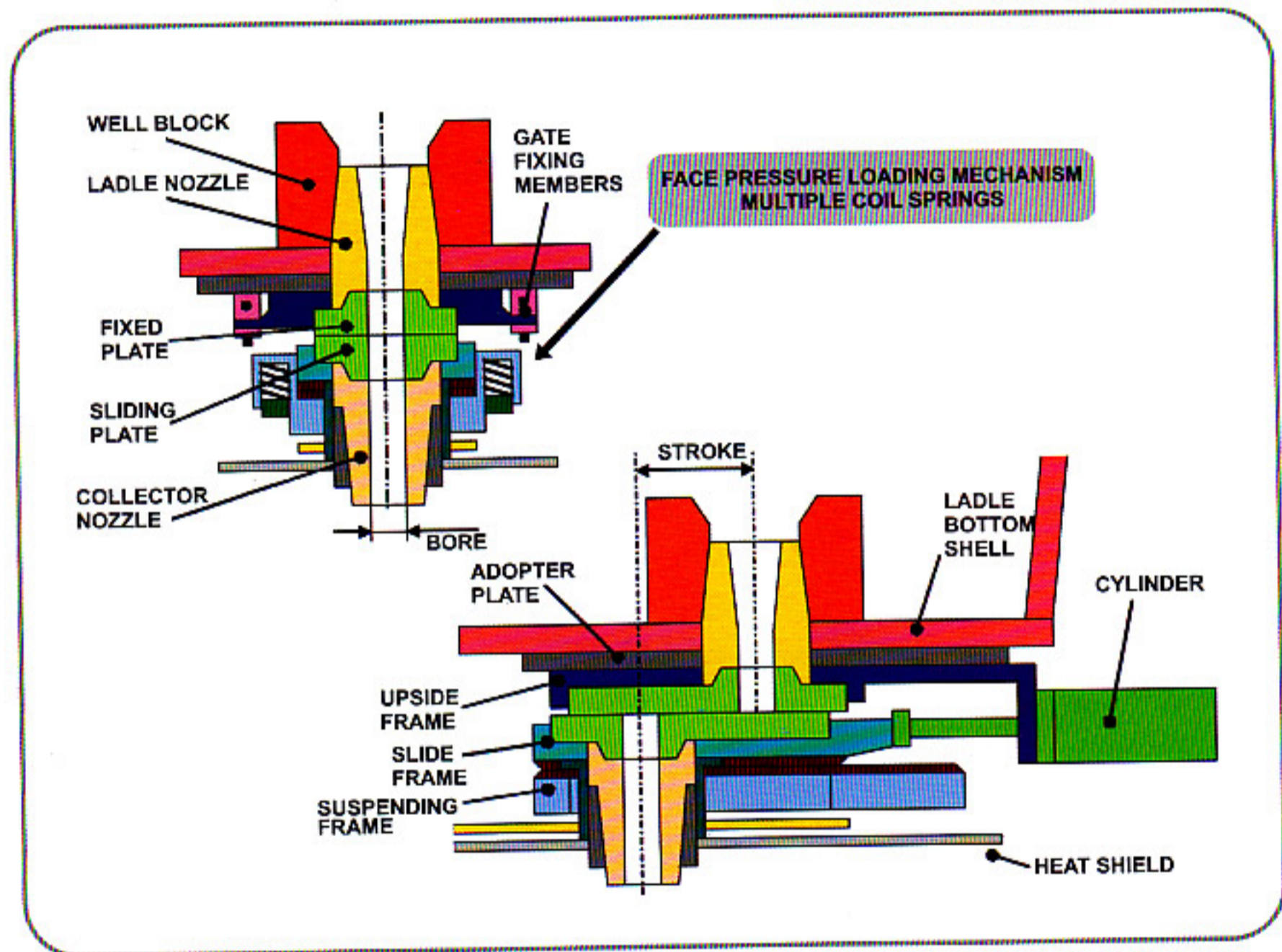
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Introduction

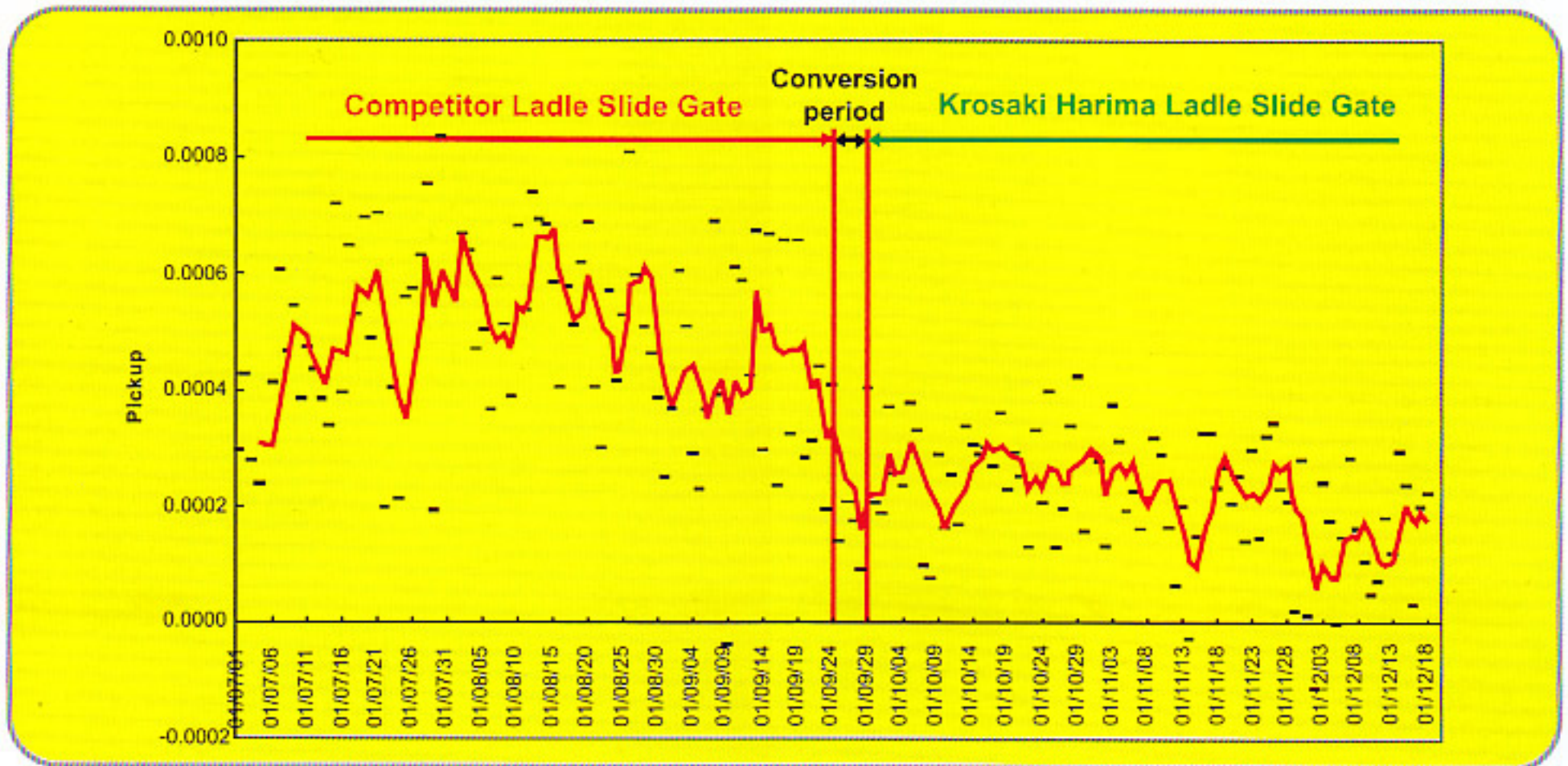
The Krosaki FF series Ladle Slide Gate is a two plate linear, hydraulically driven gate. The Gate valves are designed for small, medium and large capacity Ladle. The fixed and sliding plates are identical in shape and size. Innovative plate shape design based on 3D stress modeling and finite element analysis studies. Octagonal shape, steel bands virtually eliminates crack in stroke area. Steel encased collector nozzle is detachable and is available in standard or customized design.



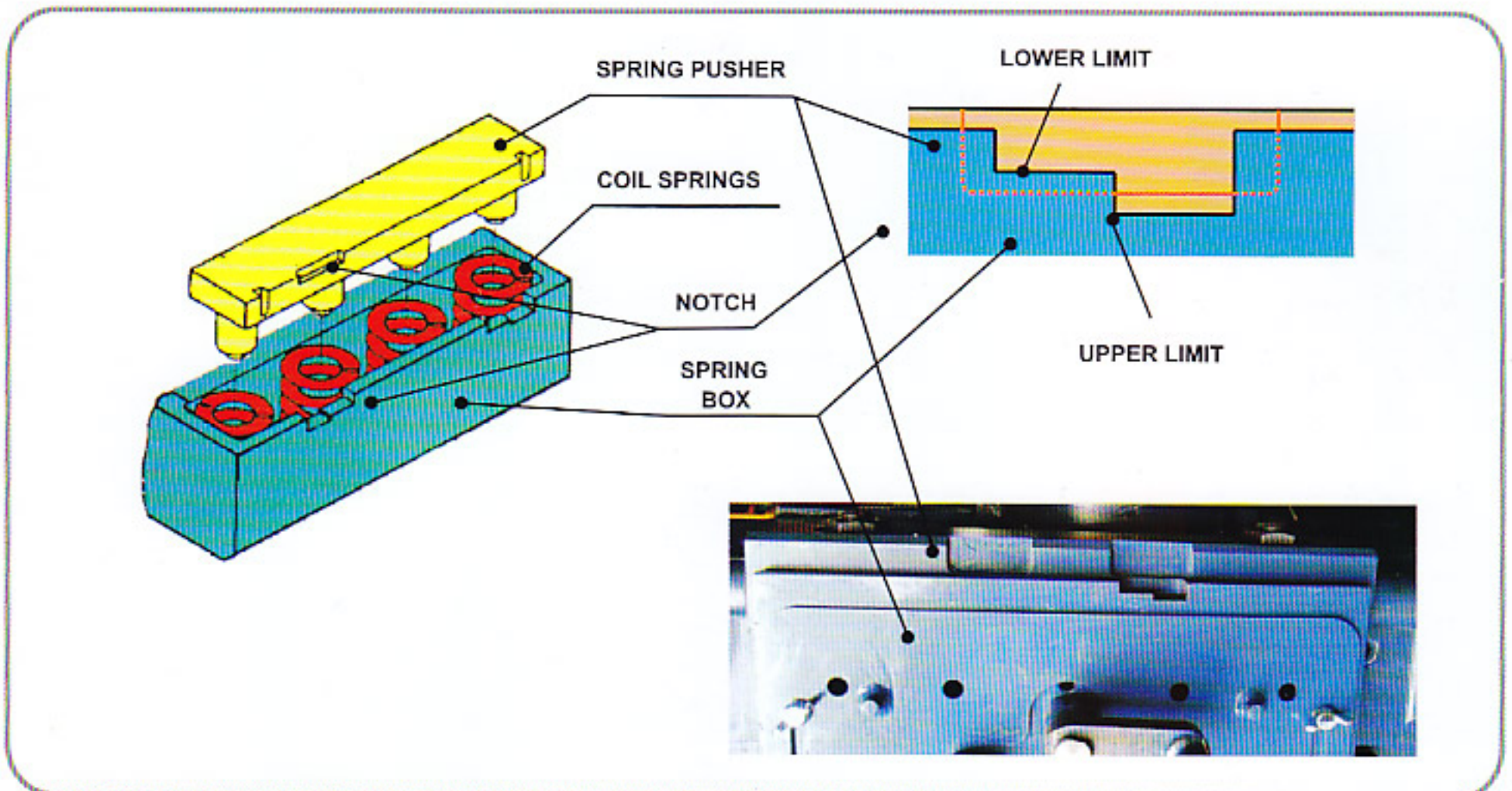
The three main housing Upside, Suspending and Slide frames are made of cast steel. The Upside Frame is mounted on the base plate with a swiveling eye bolt. The Outboard spring design helps the system to maintain uniform load throughout the casting. Face pressure loading is through hydraulic actuator. The Lower nozzle sleeve fixes the detachable nozzle in the slide frame. The Spacer block prevents tension release of the system under any condition e.g. multiple heat inspection. The heat Shield is available in swiveling design or attached design. Optional purging facility from slide gate makes the gate unique in design.

Features

- **Low Nitrogen pick up** - unique design of pressure distributions and mechanism tightness ensures low nitrogen pickup, hence steel quality improvement.



- **Online tolerance checking** - online tolerance checking at Ladle bay without any special tools and arrangements



- **Tool Free Face Pressure loading** - Free from hard & heavy work
- No Special tools required

- **Safety and reliability**

Higher face pressure, higher stroke length, online tolerance checking ensures maximum safety and reliability of the system.

- **Total Customer Support**

Total customer support from IFGL Refractories starting from basic engineering, installation, training and after sales services.

- **Specification**

Model	FF 50	FF 60	FF 80	FF 90
Bore Diameter (mm)	50	60	80	90
Stroke Length (mm)	160	200	200	230
Face Pressure (kn)	60	80	80	100
No of Springs	8	8	8	10



FF USED PLATE AFTER 8 HEATS, 170 TON LADLE - SLAB CASTER